

**The Commonwealth of Massachusetts  
Executive Office of Health and Human Services  
Department of Public Health  
William A. Hinton State Laboratory Institute  
305 South Street, Jamaica Plain, MA 02130**

**DEVAL L. PATRICK  
GOVERNOR**

**TIMOTHY P. MURRAY  
LIEUTENANT GOVERNOR**

**JUDYANN BIGBY, MD  
SECRETARY  
JOHN AUERBACH  
COMMISSIONER**

3/14/2012

Andrius Knasas  
Assistant District Attorney  
Suffolk County District Attorney's Office

Dear ADA Knasas

Enclosed is the information you requested in regards to items [REDACTED]

1. Curriculum Vitae for Hevis Lleshi and Kate Corbett
2. Drug Analysis Laboratory Receipt.
3. Control Cards with analytical results for samples [REDACTED]
4. Analysis sheets with custodial chemist's hand notations and test results.
5. GC/Mass Spectral analytical data for samples [REDACTED]

Hevis Lleshi was the custodial chemist and performed preliminary testing and net weight for these samples. Kate Corbett was the confirmatory chemist and analyzed the GC/MS data for these samples.

If you have any questions about these materials, please call me at the number below.

Sincerely,

Ms. Hevis Lleshi  
Chemist I  
Drug Analysis Laboratory  
Jamaica Plain, MA 02130  
(617) 983-6627

## Curriculum Vitae

Hevis Lleshi

### Education

Boston University School of Medicine – Master of Science, Forensic Science  
University of South Florida – Bachelor of Arts, Clinical Psychology

### Related Coursework

Forensic Chemistry • Forensic Toxicology • Forensic Pathology • Forensic DNA Analysis  
Organic / Analytical Chemistry • Forensic Biology • Biochemistry • Forensic Trace Evidence

### Employment

March, 2011 – Present  
Chemist I, Massachusetts Department of Public Health,  
Drug Analysis Laboratory

- Appointed Assistant Analyst by Assistant Commissioner of Public Health, June, 2011
- Responsible for the identification of substances to determine violation of harmful and narcotic drug laws of the Commonwealth of Massachusetts
- Trained in the use of complex analytical instrumentation for the purpose of forensic drug analysis
- Notary Public

### Additional Training and Laboratory Experience

- Completed ten-week training course conducted by Laboratory Senior Staff within the Department of Public Health, Drug Analysis Laboratory, 2011
- GC and GC/MS training with Restek, 2011
- Instrumental Forensic Chemistry/Toxicology Laboratory, Boston University, 2009
- Serology/Bloodstain Pattern Analysis Techniques, Boston University, 2009

Internship, MASSACHUSETTS STATE POLICE—MARINE SECTION, BOSTON, MA, 2009 – 2010

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### Associations

- American Academy of Forensic Sciences (AAFS)
- Boston University Forensic Science Society (BUFSS)

## Curriculum Vitae

Kate A. Corbett

### Education

**Bachelor of Science Degree, CHEMISTRY May 2003**

**MERRIMACK COLLEGE**

Coursework included: Organic Chemistry, Inorganic Chemistry, Quantitative Analysis, Instrumental Analysis, Physical Chemistry, Physics, Calculus

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### Employment

**Chemist II State Laboratory Institute (March 2008-Present)**

Massachusetts Department of Public Health

Drug Analysis Laboratory

- Responsible for the identification of substance and trafficking substances to determine violation of the Massachusetts drug laws
- Responsible for the identification of pharmaceuticals to determine violation of the Massachusetts drug laws
- Operate analytical instrumentation, microscopes and balances for forensic drug analysis

**Chemist I State Laboratory Institute (2005-March 2008)**

Massachusetts Department of Public Health

Drug Analysis Laboratory

- Responsible for the identification of substance to determine violation of the Massachusetts drug laws
- Operate analytical instrumentation for the purpose of performing forensic drug analysis
- Successfully completed an eight week training course in the analysis of drugs conducted by senior staff of the Department of Public Health, Drug Analysis Laboratory
- Appointed an assistant analyst for the Department of Public Health, Drug Analysis Laboratory in 2005.

**Research Associate (September 2003 – August 2005)**

SENSOR TECHNOLOGIES, INC - Shrewsbury, MA

- Prepared chemistries used in making sensor beads
- Generated and examined sensors employing fluorescence spectroscopy
- Performed protein, dye and sugar assays using UV/VIS spectrophotometry
- Carried out titrations on ricin using fluorescence correlation spectroscopy
- Statistical analysis of experimental data

**Intern (March 2003 – August 2003)**

MASSACHUSETTS STATE POLICE CRIME LABORATORY - Sudbury, MA

- Assisted in the gathering of case files to fulfill the National Institute of Justice's No Suspect Backlog Reduction Grant
- Observed in the Evidence, Criminalistics, DNA, Drug, Trace, Toxicology, and Bomb/Arson Units



DRUG RECEIPT

CC #

BOOK #

PAGE #

DESTRUCTION #

District/Unit

YVSF

Name & Rank of Arresting Officer

McGlothlin

ID#

91907

DEFENDANT'S NAME

ADDRESS

CITY

STATE

MA

MA

DESCRIPTION OF ITEMS SUBMITTED

GROSS  
QUANTITY

GROSS  
WEIGHT

LAB USE ONLY

ANALYSIS  
NUMBER

Heroin

1 P/B

2.25 gm

Cocaine

1 P/B

2.32 gm

~~Marijuana CIVIL~~

~~2 P/B'S~~

Suboxone

4 PILLS

5.80 gm

~~Marijuana CIVIL~~

~~2 P/B'S~~

To be completed by ECU personnel only

Name and Rank of Submitting Officer

Diana Lopez

ID#

9370

Received by

JS

Date

8-2-11

ECU Control #

No. [REDACTED]  
City: Boston D.C.U. Police Dept.  
Officer: P.O. Diana Lopez  
Def: [REDACTED]

Date Analyzed: 2/16/12

Amount:

Subst: SUB

No. Cont: 1 Cont: pb

Date Rec'd: 08/02/2011

No. Analyzed:

Gross Wt.: 2.25

Net Weight: 0.10g

# Tests: 4  
• 26AC

Prelim: Heroin (HLL) Findings: Heroin

No. [REDACTED]  
City: Boston D.C.U. Police Dept.  
Officer: P.O. Diana Lopez  
Def: [REDACTED]

Date Analyzed: 2/16/12

Amount:

Subst: SUB

No. Cont: 1 Cont: pb

Date Rec'd: 08/02/2011

No. Analyzed:

Gross Wt.: 2.32

Net Weight: 0.48g

# Tests: 6  
• 26AC

Prelim: Cocaine (HLL) Findings: Cocaine

No. [REDACTED]

Date Analyzed: 3/1/12

City: Boston D.C.U. Police Dept.

Officer: P.O. Diana Lopez

Def: [REDACTED]

Amount: [REDACTED]

Subst: TAB

No. Cont: 1 Cont: <sup>HLL</sup> pb paper fold

Date Rec'd: 08/02/2011

No. Analyzed: 1

Gross Wt.: 5.80

Net Weight: 1.54g (g/4)

# Tests: /

Prelim: Buprenorphine (HLL)

Findings:

2CAC  
Buprenorphine

# DRUG POWDER ANALYSIS FORM

SAMPLE #



AGENCY

Boston

ANALYST

HU

No. of samples tested: \_\_\_\_\_

Evidence Wt.

OKPHYSICAL DESCRIPTION:

Gross Wt ( ):

0.2293g

Gross Wt ( ):

Pkg. Wt: \_\_\_\_\_

Net Wt:

0.1052g

One pb containing  
beige powder. One  
piece of paper also  
included in evidence  
bag.

PRELIMINARY TESTSSpot TestsCobalt  
Thiocyanate ( ) + blue/greenMarquis + purpleFroehde's + purpleMecke's + greenMicrocrystalline TestsGold  
Chloride \_\_\_\_\_

TLTA ( ) \_\_\_\_\_

OTHER TESTSPRELIMINARY TEST RESULTS

RESULTS

Heroin

DATE

2/14/2012GC/MS CONFIRMATORY TEST

RESULTS

HeroinMS  
OPERATORKAC

DATE

2/16/2012



# DRUG POWDER ANALYSIS FORM

SAMPLE # \_\_\_\_\_ AGENCY Boston ANALYST HLL

No. of samples tested: \_\_\_\_\_

Evidence Wt. OK

**PHYSICAL DESCRIPTION:**

Gross Wt ( ): 0.6076g

Gross Wt ( ): \_\_\_\_\_

Pkg. Wt: \_\_\_\_\_

Net Wt: 0.4846g

One pb containing  
white powder, double  
bagged.

## PRELIMINARY TESTS

## Spot Tests

Cobalt Thiocyanate ( ) + blue

Marquis

Froehde's

Mecke's \_\_\_\_\_

### Microcrystalline Tests

Gold  
Chloride +

TLTA ( ) +

## OTHER TESTS

## PRELIMINARY TEST RESULTS

RESULTS Cocaine

DATE 21/0/2012

GC/MS CONFIRMATORY TEST

## RESULTS Cocaine

MS  
OPERATOR KAC

DATE 2/16/2012

# DRUG POWDER ANALYSIS FORM

SAMPLE # [REDACTED] AGENCY Boston ANALYST HL

No. of samples tested: 1

Evidence Wt. OK

## PHYSICAL DESCRIPTION:

Gross Wt (4): 2.0515g

Gross Wt ( ): \_\_\_\_\_

Four orange hexagonal  
imprinted tablets  
in one paper fold.  
One tablet tested.

Pkg. Wt: \_\_\_\_\_

Net Wt: (4) 1.5471g

Micromedex:  
Buprenorphine - 8 mg



\* Evidence bag not sealed on one side, (initials side)

## PRELIMINARY TESTS

### Spot Tests

Cobalt  
Thiocyanate ( ) \_\_\_\_\_

Marquis \_\_\_\_\_

Froehde's \_\_\_\_\_

Mecke's \_\_\_\_\_

### Microcrystalline Tests

Gold  
Chloride \_\_\_\_\_

TLTA ( ) \_\_\_\_\_

### OTHER TESTS

(A) + (L) +

## PRELIMINARY TEST RESULTS

RESULTS Buprenorphine

DATE 2/25/2012

## GC/MS CONFIRMATORY TEST

RESULTS Buprenorphine

MS  
OPERATOR KAC

DATE 3/1/2012

## Drug Information



**DRUG NAME:** SUBOXONE TABLET

**INGREDIENTS:** BUPRENORPHINE -- 8 MG  
NALOXONE -- 2 MG

**Color:** orange

**Shape:** Six-sided

**Imprint:** N8 Sword Logo

**Form:** Sublingual Tablet

**Available-Container-Size:** Bottle of 30

**AAPCC Code:** 200625 -  
Buprenorphine

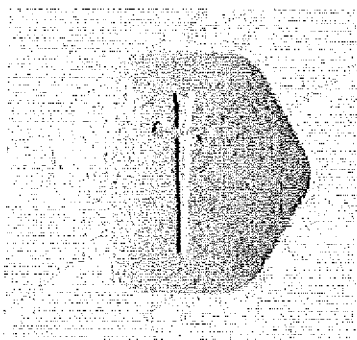
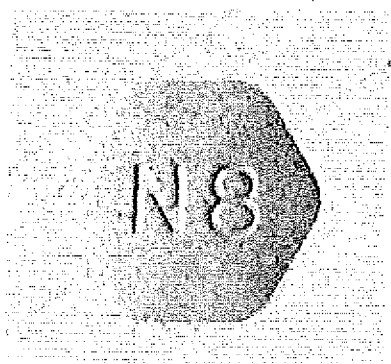
**NDC:** 12496-1306-02

**Regulatory Status:** Schedule III

**Availability:** United States

**Product ID** 6370996

**Contact:** Reckitt Benckiser  
Pharmaceuticals

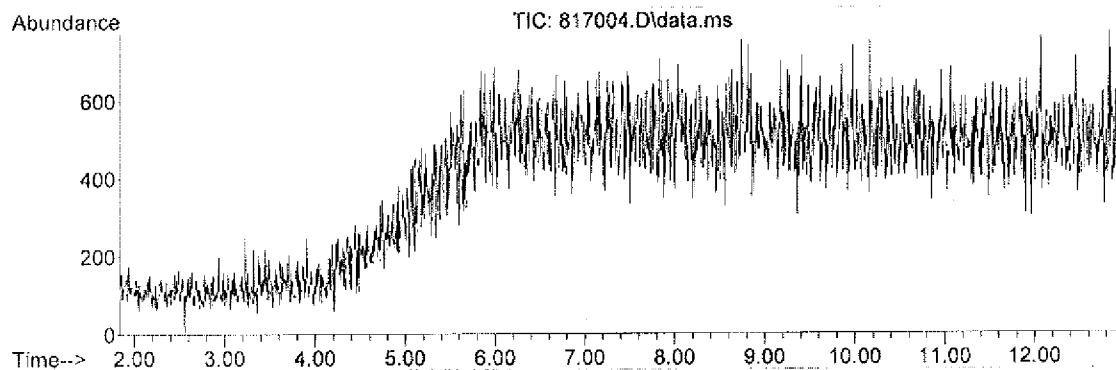


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✓KAC  
3/6/12

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Operator : KAC  
Date Acquired : 14 Feb 2012 14:50  
Sample Name : BLANK  
Submitted by :  
Vial Number : 1  
AcquisitionMeth: DRUGS.M  
Integrator : RTE

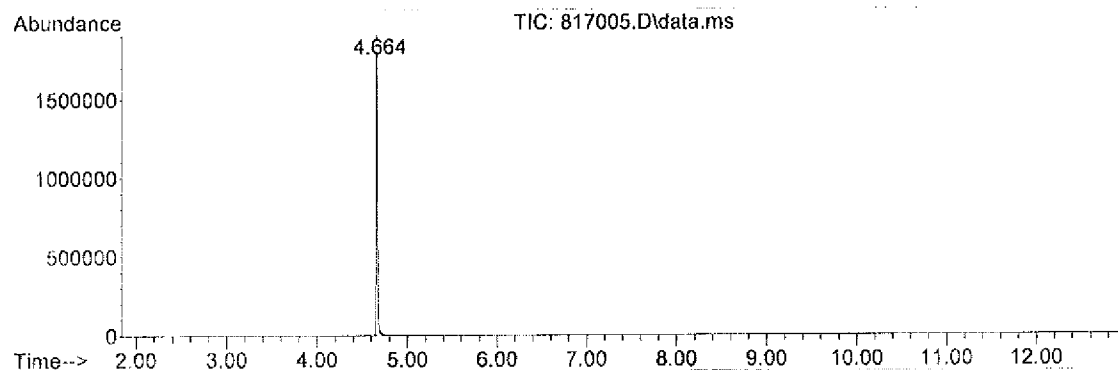


Ret. Time	Area	Area %	Ratio %
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\*\*\*NO INTEGRATED PEAKS\*\*\*

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Operator : KAC  
Date Acquired : 14 Feb 2012 15:06  
Sample Name : COCAINE STD  
Submitted by :  
Vial Number : 5  
AcquisitionMeth: DRUGS.M  
Integrator : RTE



Ret. Time	Area	Area %	Ratio %
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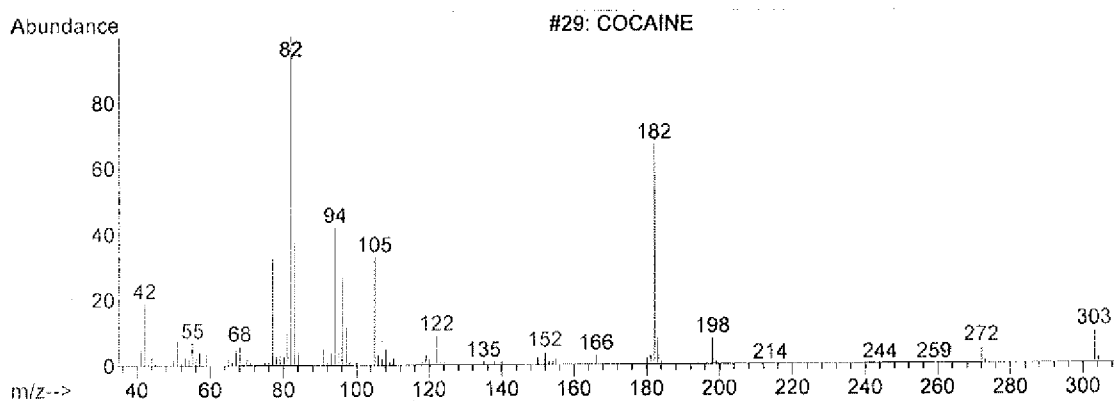
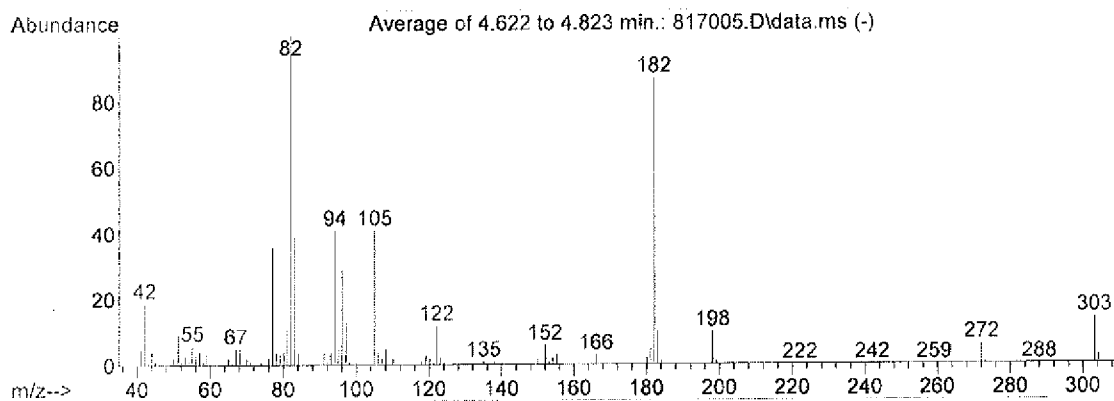
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 Submitted by :  
 Vial Number : 5  
 AcquisitionMeth: DRUGS.M  
 Integrator : RTE

Search Libraries: C:\Database\SLI.L Minimum Quality: 85  
 C:\Database\NIST05a.L Minimum Quality: 85  
 C:\Database\PMW\_TOX2.L

PK#	RT	Library/ID	CAS#	Qual
1	4.66	C:\Database\SLI.L COCAINE	000050-36-2	99



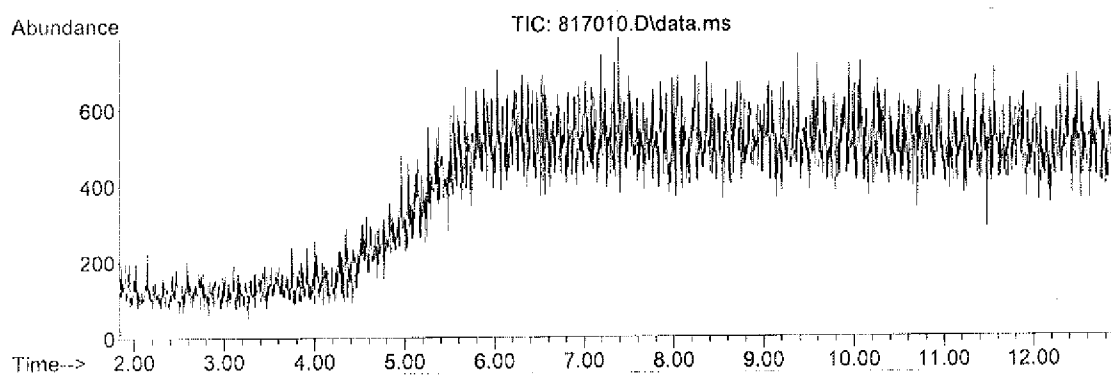
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 Date Acquired : 14 Feb 2012 16:24  
 Sample Name : BLANK  
 Submitted by : HLL  
 Vial Number : 1  
 AcquisitionMeth: DRUGS.M  
 Integrator : RTE

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Ret. Time	Area	Area %	Ratio %
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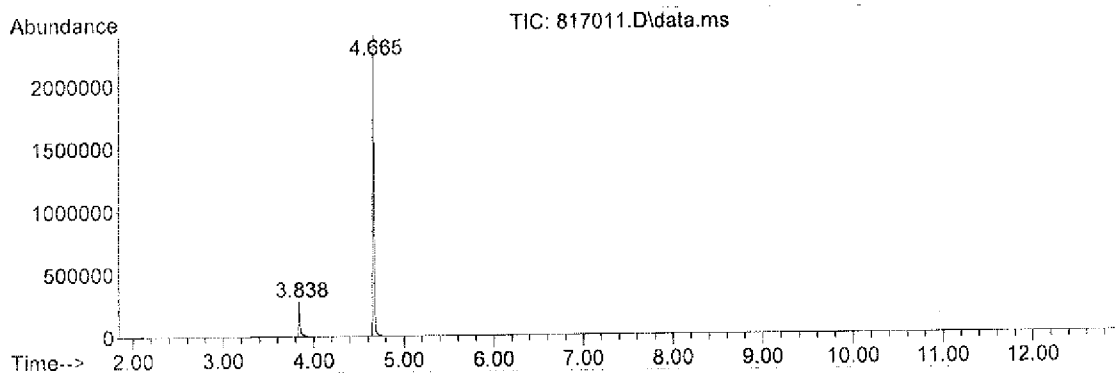
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\*\*\*NO INTEGRATED PEAKS\*\*\*

# Area Percent / Library Search Report

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 Operator : KAC  
 Date Acquired : 14 Feb 2012 16:39  
 Sample Name : XXXXXXXXXX  
 Submitted by : HLL  
 Vial Number : 11  
 AcquisitionMeth: DRUGS.M  
 Integrator : RTE



Ret. Time	Area	Area %	Ratio %
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4.665	2370029	87.24	100.00



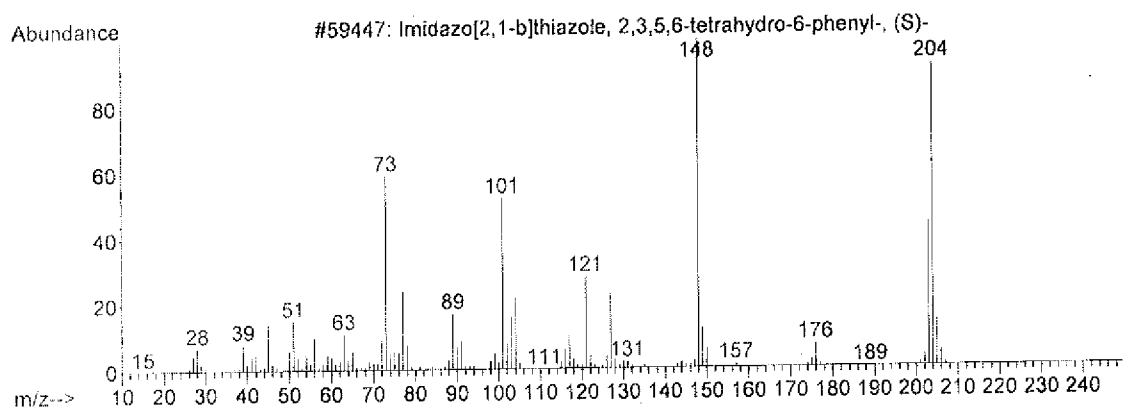
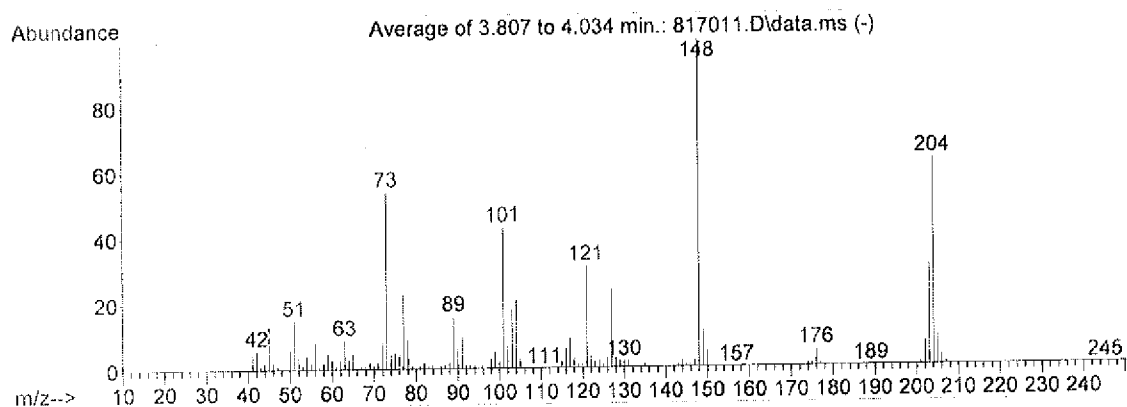
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 Sample Name : XXXXXXXXXX  
 Submitted by : HLL  
 Vial Number : 11  
 AcquisitionMeth: DRUGS.M  
 Integrator : RTE

Search Libraries: C:\Database\SLI.L Minimum Quality: 85  
 C:\Database\NIST05a.L Minimum Quality: 85  
 C:\Database\PMW\_TOX2.L

PK#	RT	Library/ID	CAS#	Qual
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		Imidazo[2,1-b]thiazole, 2,3,5,6-tet	014769-73-4	98
		Imidazo[2,1-b]thiazole, 2,3,5,6-tet	006649-23-6	98
		Imidazo[2,1-b]thiazole, 2,3,5,6-tet	006649-23-6	98



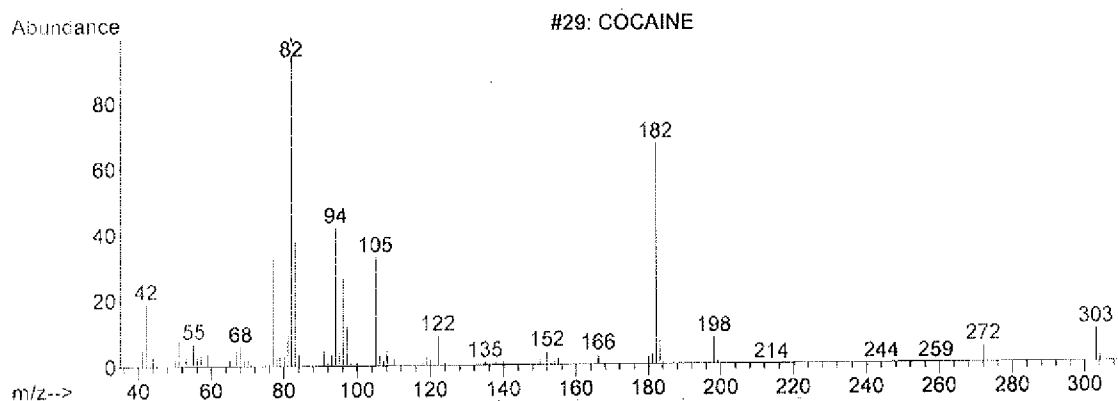
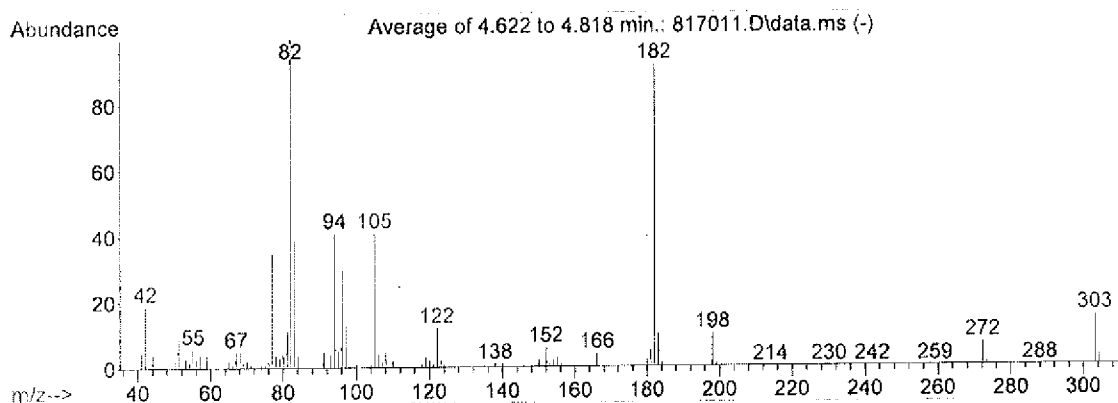
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 Submitted by : HLL  
 Vial Number : 11  
 AcquisitionMeth: DRUGS.M  
 Integrator : RTE

Search Libraries: C:\Database\SLI.L Minimum Quality: 85  
 C:\Database\NIST05a.L Minimum Quality: 85  
 C:\Database\PMW\_TOX2.L

PK#	RT	Library/ID	CAS#	Qual
2	4.66	C:\Database\SLI.L COCAINE	000050-36-2	99



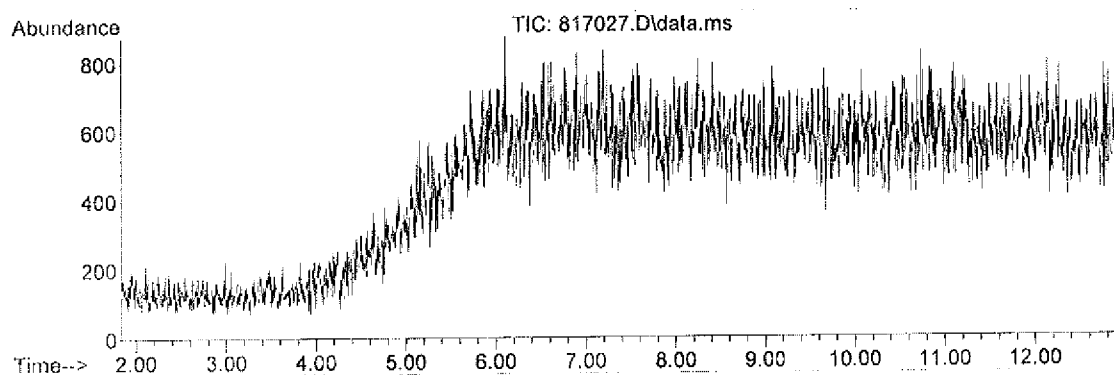
# Area Percent / Library Search Report

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## Information from Data File:

File Name : C:\msdchem\1\System7\02\_14\_12\817027.D  
Operator : KAC  
Date Acquired : 14 Feb 2012 20:49  
Sample Name : BLANK  
Submitted by :  
Vial Number : 1  
AcquisitionMeth: DRUGS.M  
Integrator : RTE

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Ret. Time	Area	Area %	Ratio %
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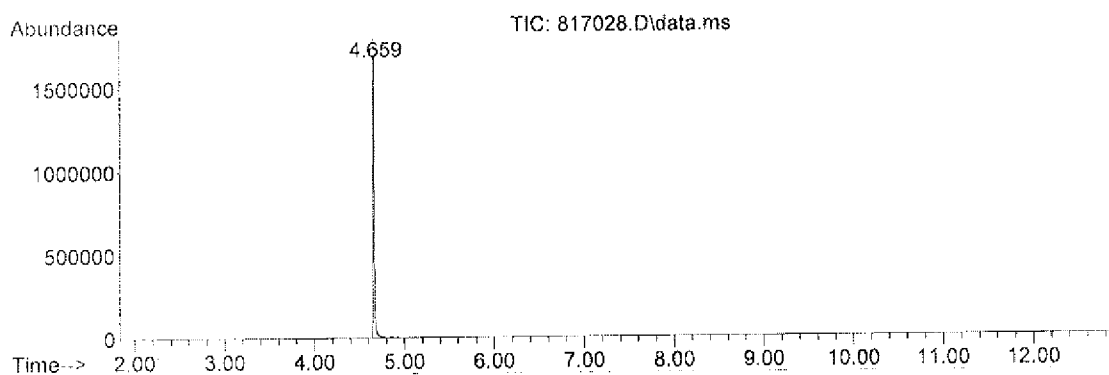
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\*\*\*NO INTEGRATED PEAKS\*\*\*

# Area Percent / Library Search Report

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 Operator : KAC  
 Date Acquired : 14 Feb 2012 21:05  
 Sample Name : COCAINE STD  
 Submitted by :  
 Vial Number : 28  
 AcquisitionMeth: DRUGS.M  
 Integrator : RTE



Ret. Time	Area	Area %	Ratio %
4.659	1771642	100.00	100.00

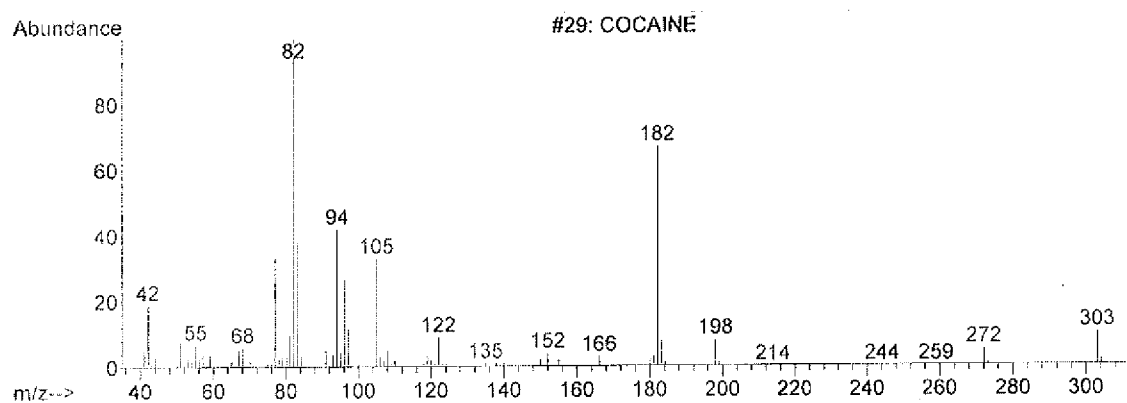
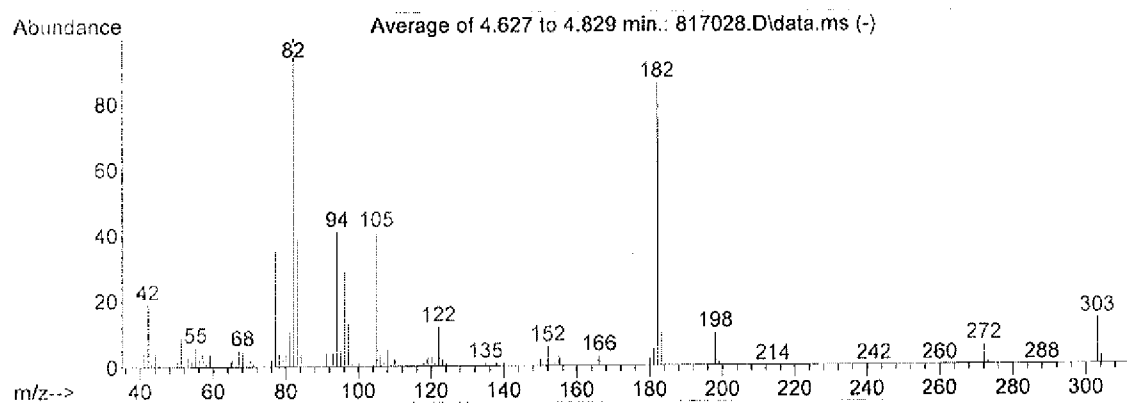
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 Date Acquired : 14 Feb 2012 21:05  
 Sample Name : COCAINE STD  
 Submitted by :  
 Vial Number : 28  
 AcquisitionMeth: DRUGS.M  
 Integrator : RTE

Search Libraries: C:\Database\SLI.L Minimum Quality: 85  
 C:\Database\NIST05a.L Minimum Quality: 85  
 C:\Database\PMW\_TOX2.L

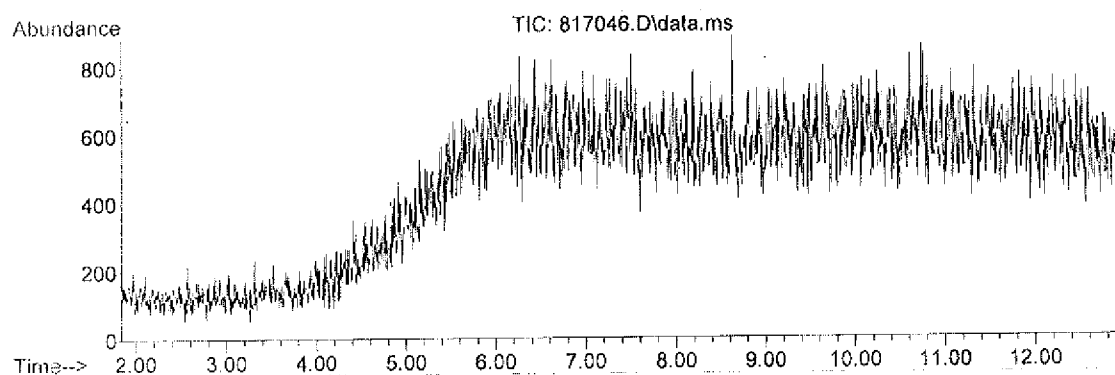
PK#	RT	Library/ID	CAS#	Qual
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# Area Percent / Library Search Report

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 Operator : KAC  
 Date Acquired : 15 Feb 2012 1:43  
 Sample Name : BLANK  
 Submitted by :  
 Vial Number : 1  
 AcquisitionMeth: DRUGS.M  
 Integrator : RTE



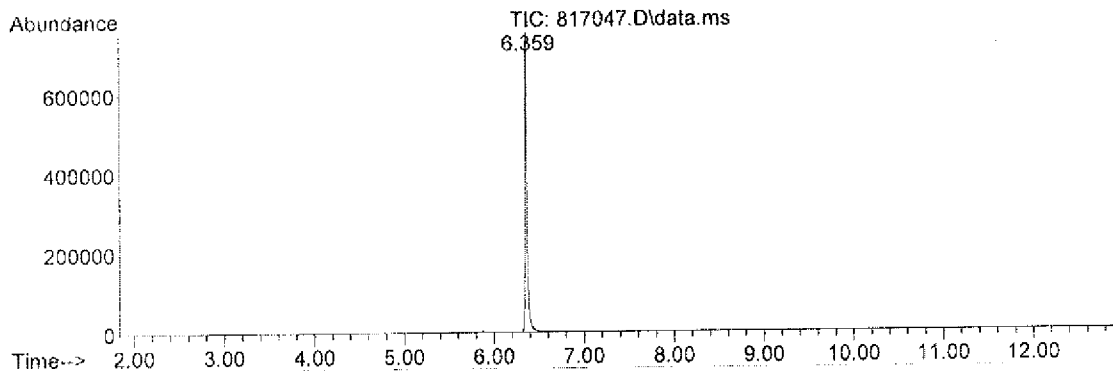
Ret. Time	Area	Area %	Ratio %
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\*\*\*NO INTEGRATED PEAKS\*\*\*

# Area Percent / Library Search Report

Information from Data File:

File Name : C:\msdchem\1\System7\02\_14\_12\817047.D  
 Operator : KAC  
 Date Acquired : 15 Feb 2012 1:59  
 Sample Name : HEROIN STD  
 Submitted by :  
 Vial Number : 47  
 AcquisitionMeth: DRUGS.M  
 Integrator : RTE



Ret. Time	Area	Area %	Ratio %
6.359	1142156	100.00	100.00

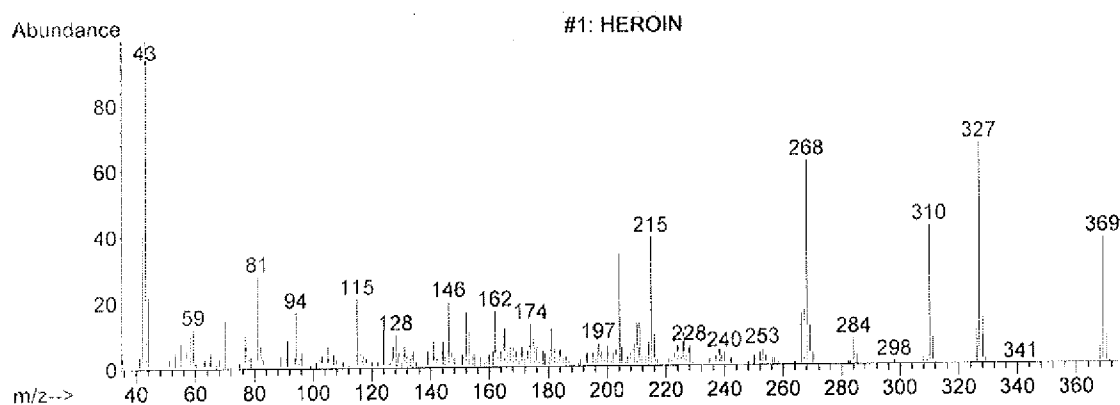
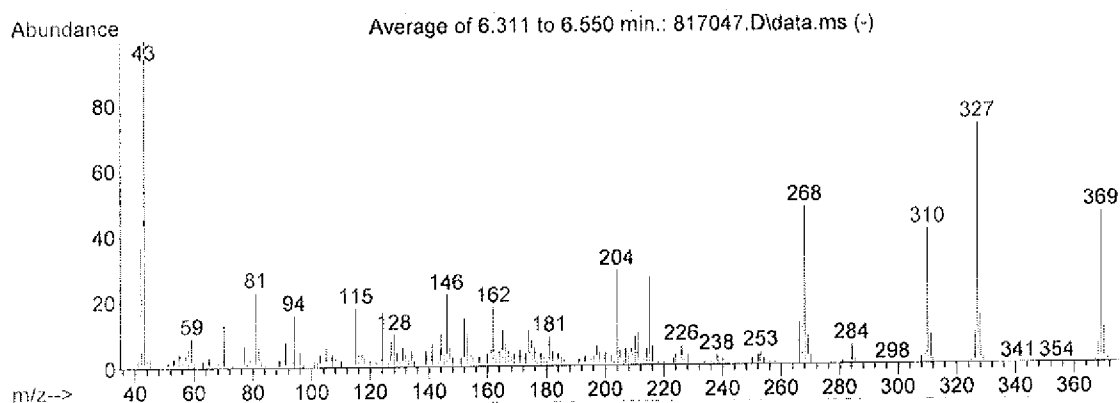
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**Information from Data File:**

File Name : C:\msdchem\1\System7\02\_14\_12\817047.D  
 Operator : KAC  
 Date Acquired : 15 Feb 2012 1:59  
 Sample Name : HEROIN STD  
 Submitted by :  
 Vial Number : 47  
 AcquisitionMeth: DRUGS.M  
 Integrator : RTE

Search Libraries: C:\Database\SLI.L Minimum Quality: 85  
 C:\Database\NIST05a.L Minimum Quality: 85  
 C:\Database\PMW\_TOX2.L

PK#	RT	Library/ID	CAS#	Qual
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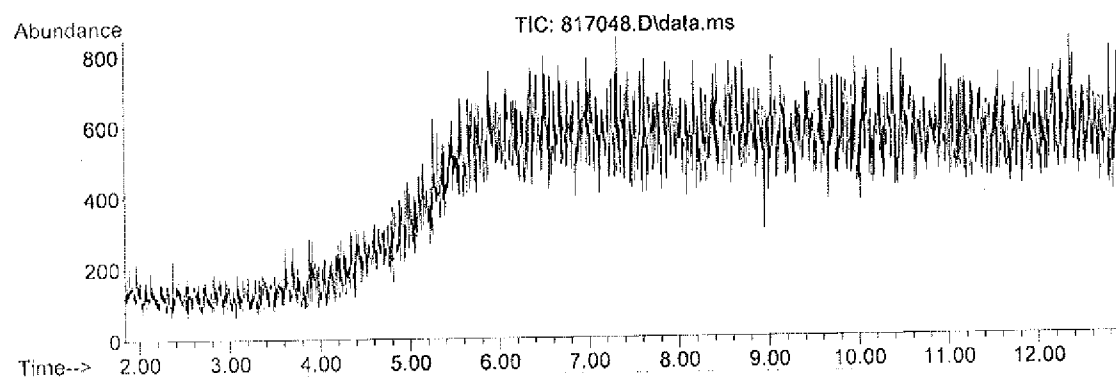




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 Operator : KAC  
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 Sample Name : BLANK  
 Submitted by : HLL  
 Vial Number : 1  
 AcquisitionMeth: DRUGS.M  
 Integrator : RTE



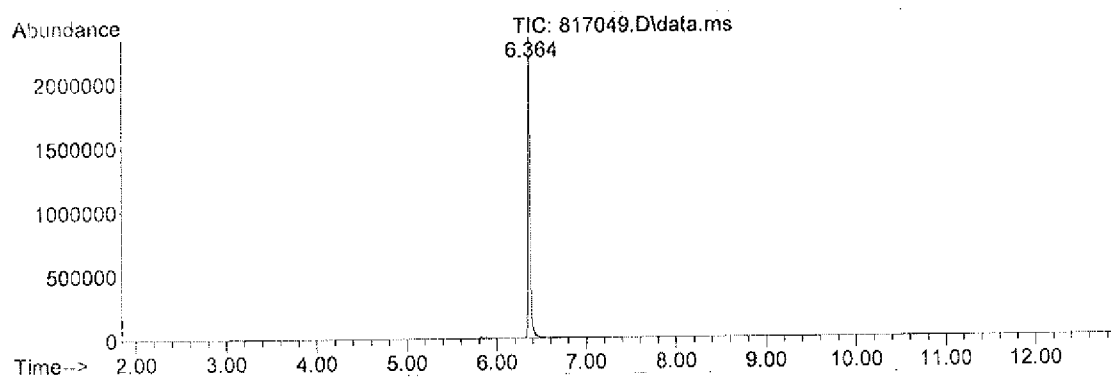
Ret. Time	Area	Area %	Ratio %
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\*\*\*NO INTEGRATED PEAKS\*\*\*

# Area Percent / Library Search Report

**Information from Data File:**

File Name : C:\msdchem\1\System7\02\_14\_12\817049.D  
 Operator : KAC  
 Date Acquired : 15 Feb 2012 2:30  
 Sample Name : XXXXXXXXXX  
 Submitted by : HLL  
 Vial Number : 49  
 AcquisitionMeth: DRUGS.M  
 Integrator : RTE



Ret. Time	Area	Area %	Ratio %
6.364	3605191	100.00	100.00

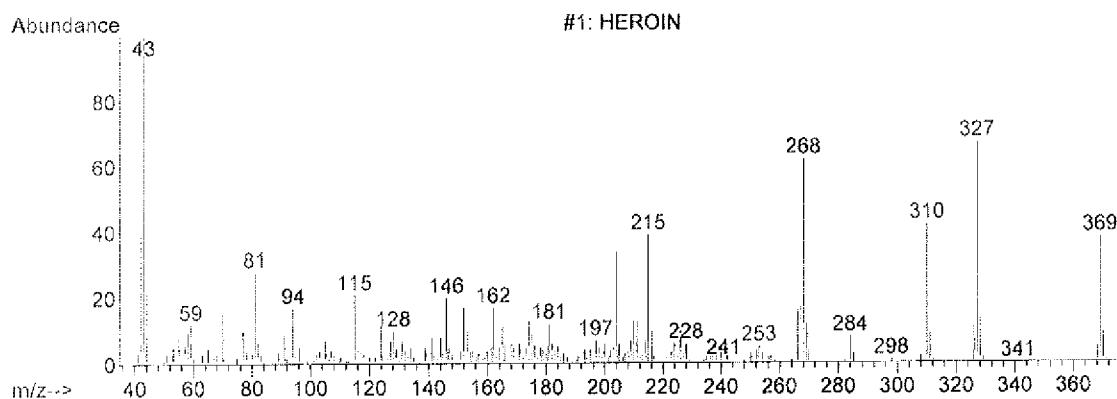
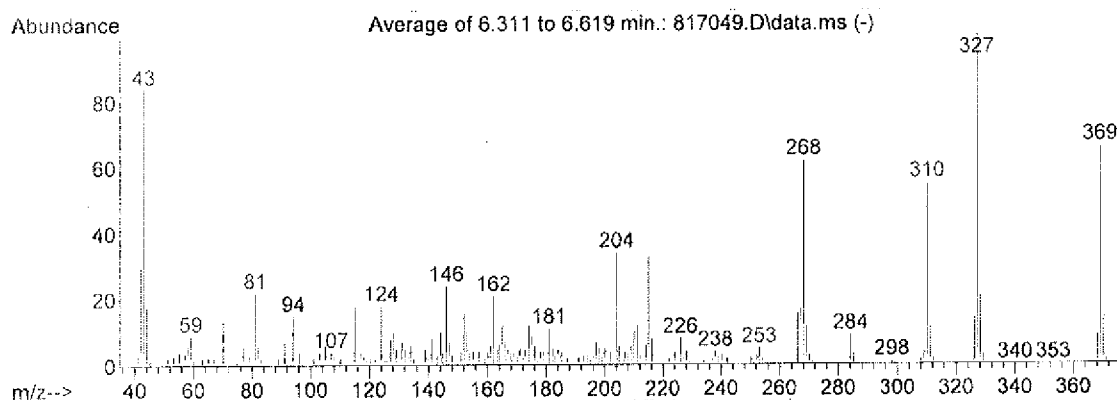
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**Information from Data File:**

File Name : C:\msdchem\1\System7\02\_14\_12\817049.D  
 Operator : KAC  
 Date Acquired : 15 Feb 2012 2:30  
 Sample Name : XXXXXXXXXX  
 Submitted by : HLL  
 Vial Number : 49  
 AcquisitionMeth: DRUGS.M  
 Integrator : RTE

Search Libraries: C:\Database\SLI.L Minimum Quality: 85  
 C:\Database\NIST05a.L Minimum Quality: 85  
 C:\Database\PMW\_TOX2.L

PK#	RT	Library/ID	CAS#	Qual
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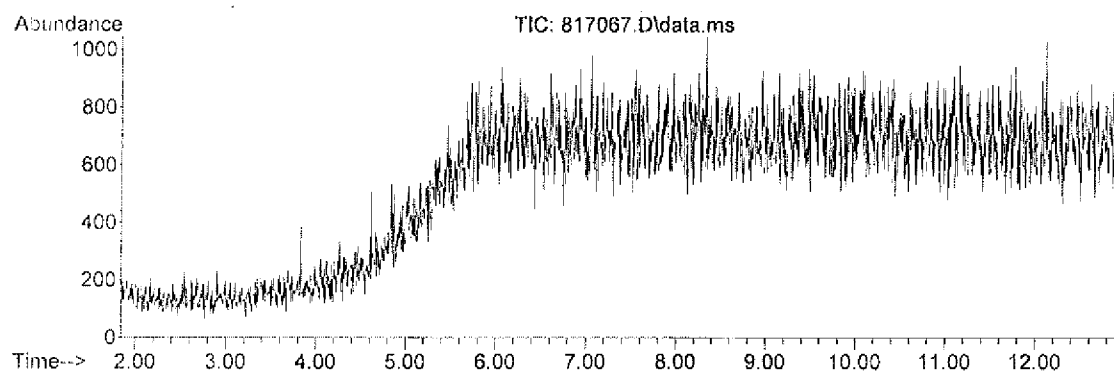
# Area Percent / Library Search Report

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File Name : C:\msdchem\1\System7\02\_14\_12\817067.D  
Operator : KAC  
Date Acquired : 15 Feb 2012 7:09  
Sample Name : BLANK  
Submitted by :  
Vial Number : 2  
AcquisitionMeth: DRUGS.M  
Integrator : RTE

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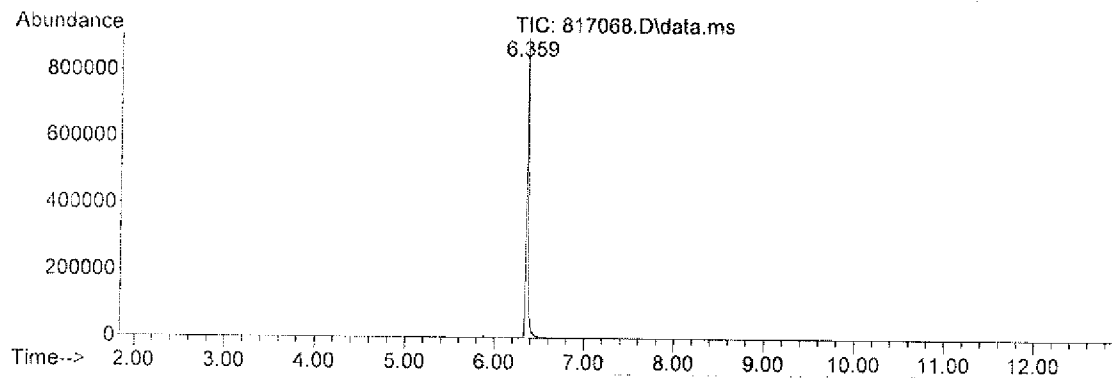
Ret. Time	Area	Area %	Ratio %
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\*\*\*NO INTEGRATED PEAKS\*\*\*

## Information from Data File:

File Name : C:\msdchem\1\System7\02\_14\_12\817068.D  
Operator : KAC  
Date Acquired : 15 Feb 2012 7:25  
Sample Name : HEROIN STD  
Submitted by :  
Vial Number : 68  
AcquisitionMeth: DRUGS.M  
Integrator : RTE



Ret. Time	Area	Area %	Ratio %
6.359	1332059	100.00	100.00

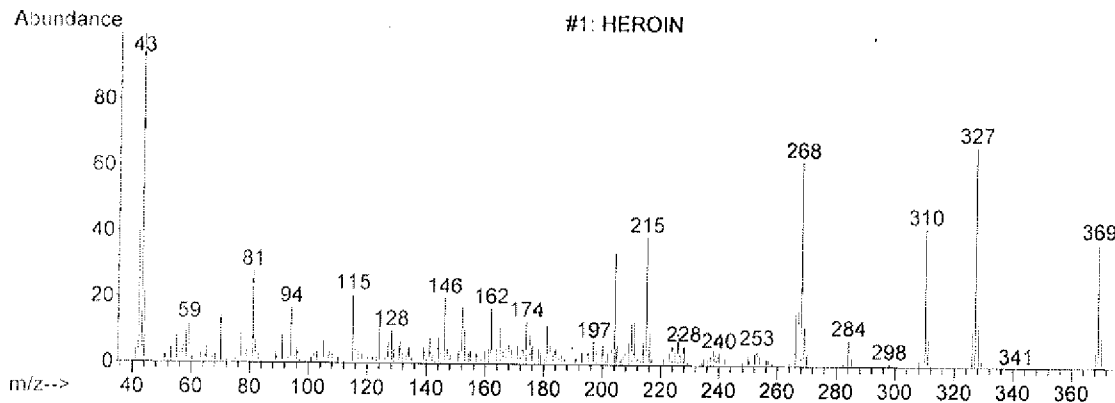
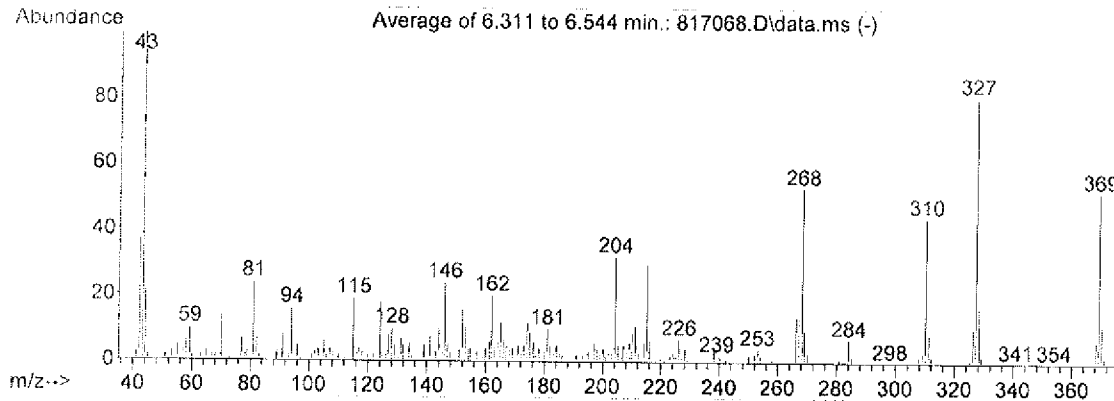
# Area Percent / Library Search Report

**Information from Data File:**

File Name : C:\msdchem\1\System7\02\_14\_12\817068.D  
 Operator : KAC  
 Date Acquired : 15 Feb 2012 7:25  
 Sample Name : HEROIN STD  
 Submitted by :  
 Vial Number : 68  
 AcquisitionMeth: DRUGS.M  
 Integrator : RTE

Search Libraries: C:\Database\SLI.L Minimum Quality: 85  
 C:\Database\NIST05a.L Minimum Quality: 85  
 C:\Database\PMW\_TOX2.L

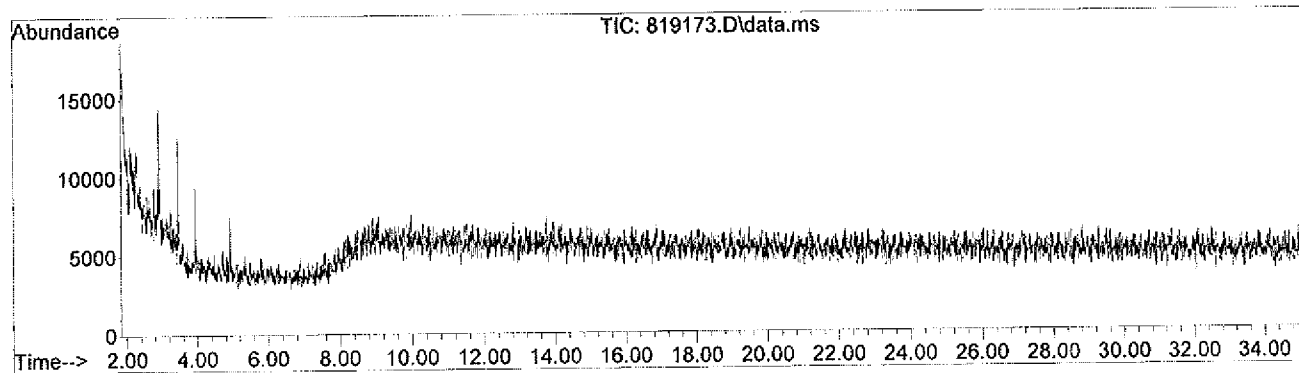
PK#	RT	Library/ID	CAS#	Qual
1	6.36	C:\Database\SLI.L HEROIN	000561-27-3	99



✓KAC  
3/6/12

## Information from Data File:

File Name : C:\msdchem\1\DATA\SYSTEM9\02\_27\_12\819173.D  
Operator : KAC  
Date Acquired : 28 Feb 2012 11:23  
Sample Name : BLANK  
Submitted by :  
Vial Number : 2  
AcquisitionMeth: WSCREEN.M  
Integrator : RTE



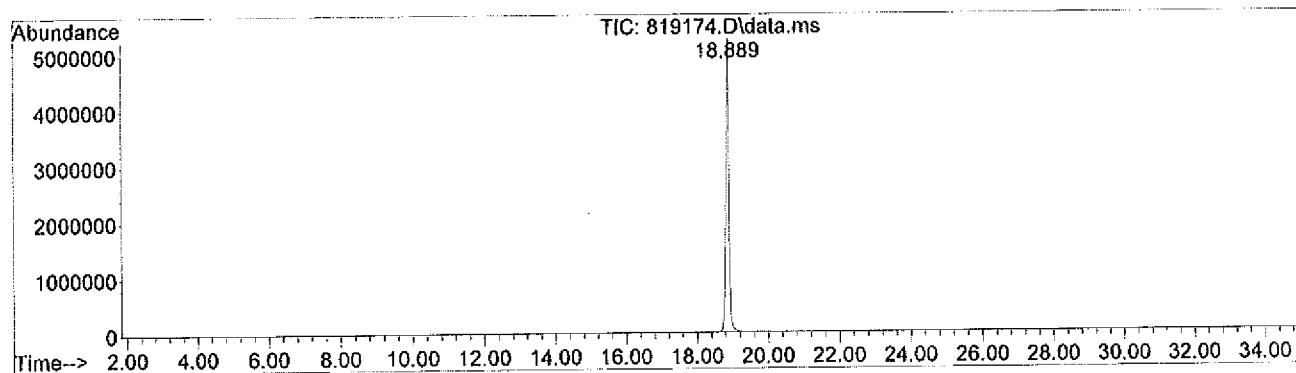
Ret. Time	Area	Area %	Ratio %
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\*\*\*NO INTEGRATED PEAKS\*\*\*

# Area Percent / Library Search Report

**Information from Data File:**

File Name : C:\msdchem\1\DATA\SYSTEM9\02\_27\_12\819174.D  
 Operator : KAC  
 Date Acquired : 28 Feb 2012 12:02  
 Sample Name : BUPRENORPHINE STD  
 Submitted by :  
 Vial Number : 74  
 AcquisitionMeth: WSCREEN.M  
 Integrator : RTE



Ret. Time	Area	Area %	Ratio %
18.889	29575046	100.00	100.00



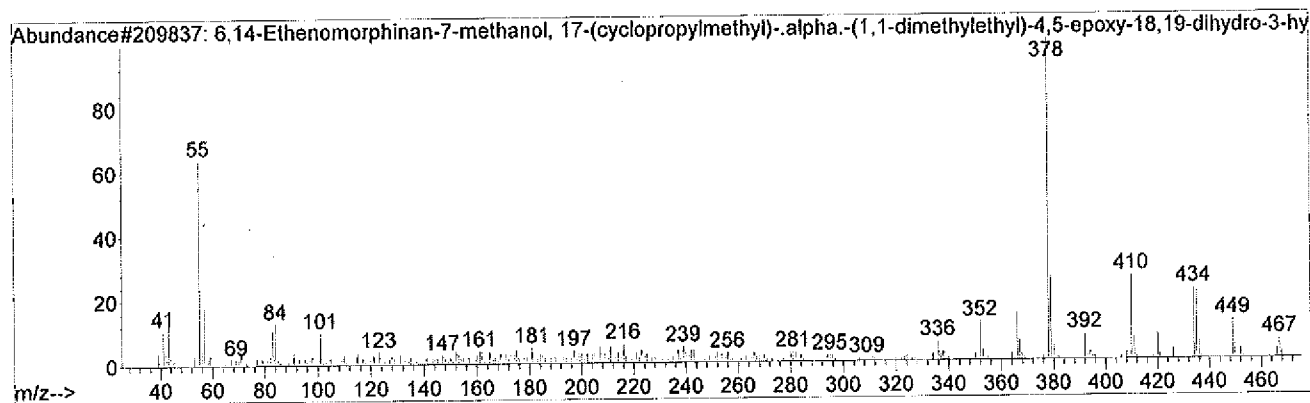
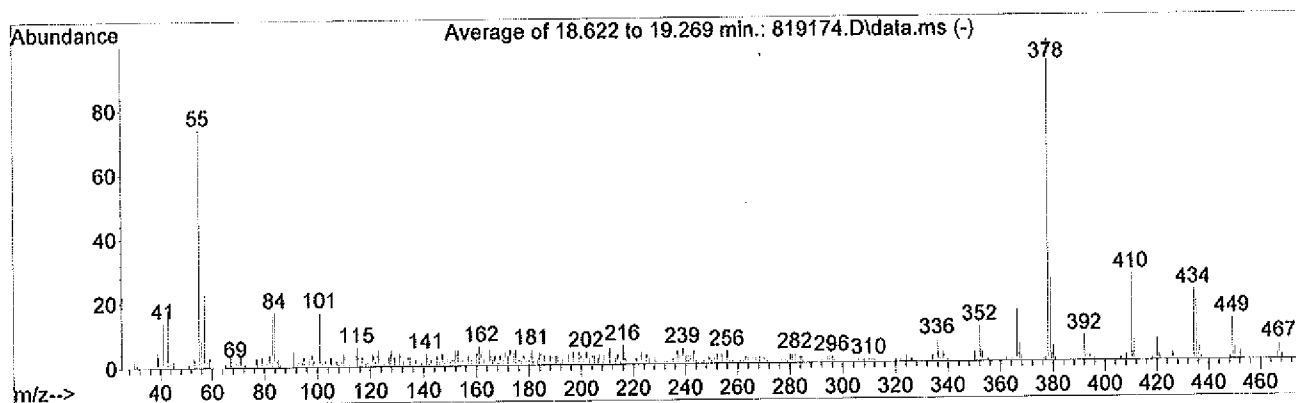
## Area Percent / Library Search Report

## Information from Data File:

File Name : C:\msdchem\1\DATA\SYSTEM9\02\_27\_12\819174.D  
Operator : KAC  
Date Acquired : 28 Feb 2012 12:02  
Sample Name : BUPRENORPHINE STD  
Submitted by :  
Vial Number : 74  
AcquisitionMeth: WSCREEN.M  
Integrator : RTE

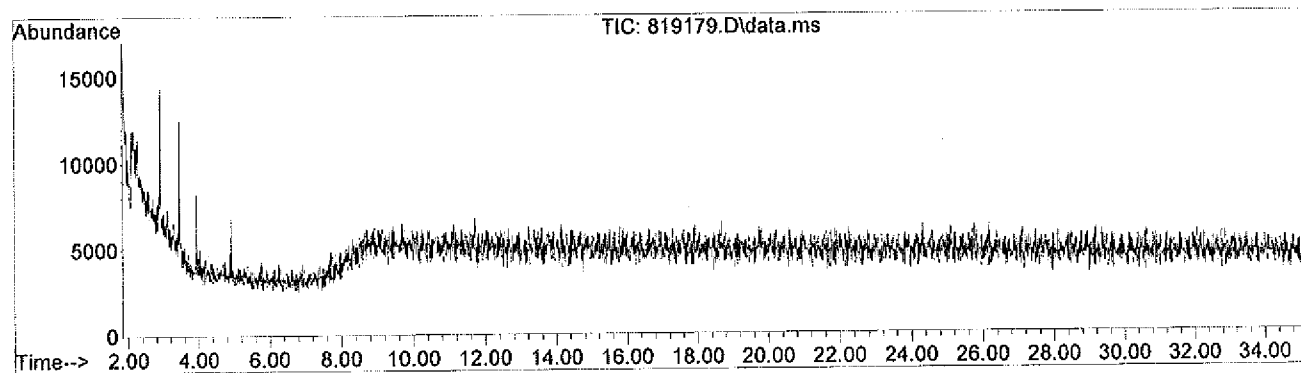
Search Libraries: C:\Database\SLI.L Minimum Quality: 80  
C:\Database\NIST08.L Minimum Quality: 10  
C:\Database\PMW\_TOX2.L

PK#	RT	Library/ID	CAS#	Qual
1	18.89	C:\Database\NIST08.L		
		6,14-Ethenomorphinan-7-methanol, 17	052485-79-7	99
		6,14-Ethenomorphinan-7-methanol, 17	052485-79-7	99
		6,14-Ethenomorphinan-7-methanol, 17	052485-79-7	96



## Information from Data File:

File Name : C:\msdchem\1\DATA\SYSTEM9\02\_27\_12\819179.D  
Operator : KAC  
Date Acquired : 28 Feb 2012 15:15  
Sample Name : BLANK  
Submitted by : HLL  
Vial Number : 2  
AcquisitionMeth: WSCREEN.M  
Integrator : RTE

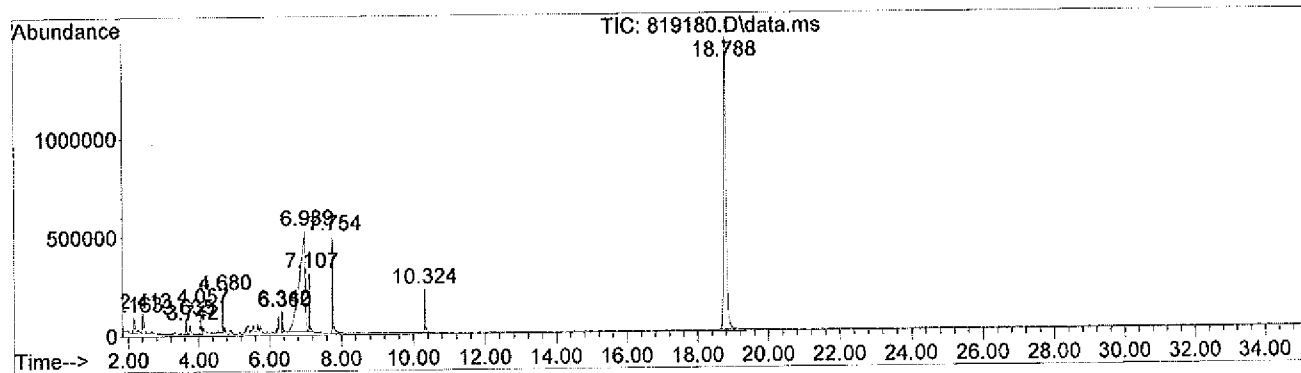


Ret. Time	Area	Area %	Ratio %
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\*\*\*NO INTEGRATED PEAKS\*\*\*

## Information from Data File:

File Name : C:\msdchem\1\DATA\SYSTEM9\02\_27\_12\819180.D  
Operator : KAC  
Date Acquired : 28 Feb 2012 15:54  
Sample Name : XXXXXXXXXX  
Submitted by : HLL  
Vial Number : 80  
AcquisitionMeth: WSCREEN.M  
Integrator : RTE



Ret. Time	Area	Area %	Ratio %
2.163	290754	1.89	4.25
2.413	322554	2.10	4.72
3.635	129549	0.84	1.90
3.742	145737	0.95	2.13
4.057	208340	1.35	3.05
4.680	205495	1.33	3.01
6.342	122776	0.80	1.80
6.360	108880	0.71	1.59
6.989	5656112	36.74	82.74
7.107	338620	2.20	4.95
7.754	649368	4.22	9.50
10.324	381711	2.48	5.58
18.788	6835731	44.40	100.00

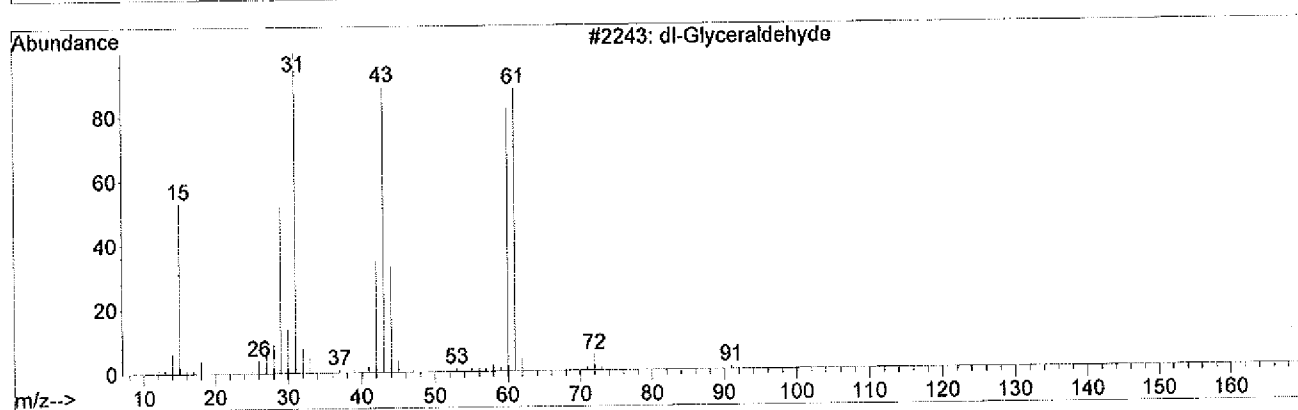
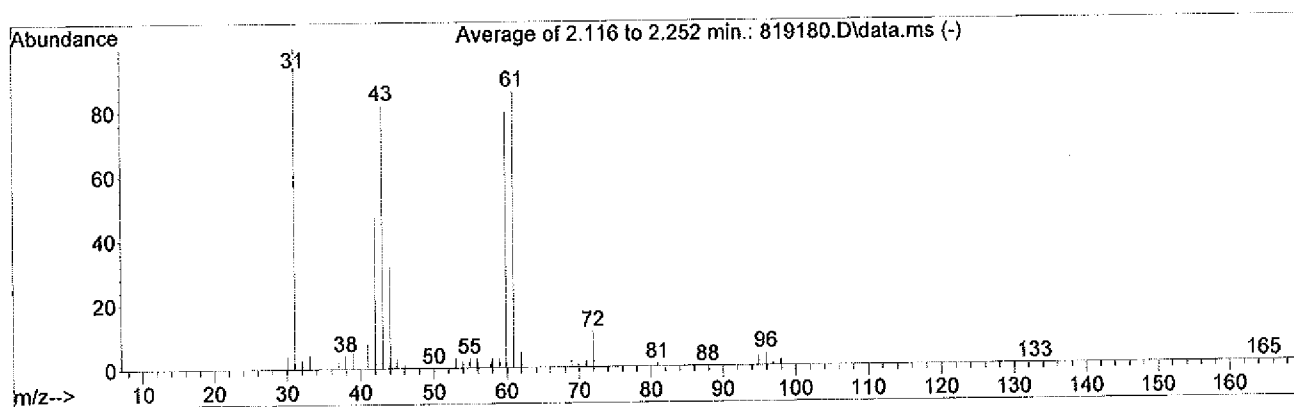
# Area Percent / Library Search Report

## Information from Data File:

File Name : C:\msdchem\1\DATA\SYSTEM9\02\_27\_12\819180.D  
 Operator : KAC  
 Date Acquired : 28 Feb 2012 15:54  
 Sample Name : XXXXXXXXXX  
 Submitted by : HLL  
 Vial Number : 80  
 AcquisitionMeth: WSCREEN.M  
 Integrator : RTE

Search Libraries: C:\Database\SLI.L Minimum Quality: 80  
 C:\Database\NIST08.L Minimum Quality: 10  
 C:\Database\PMW\_TOX2.L

PK#	RT	Library/ID	CAS#	Qual
1	2.16	C:\Database\NIST08.L		
		dl-Glyceraldehyde	000056-82-6	83
		DL-Xylose	041247-05-6	45
		Diglycolic acid	000110-99-6	40



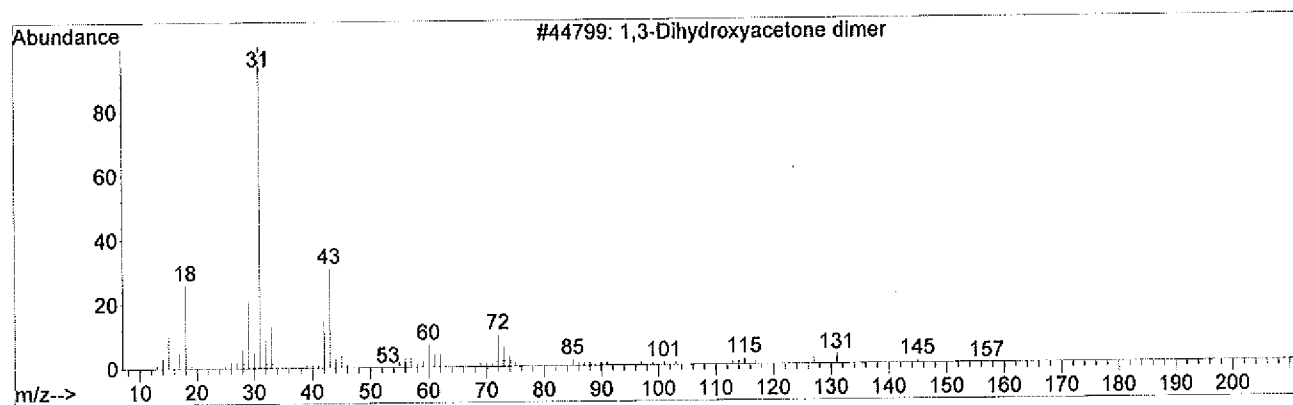
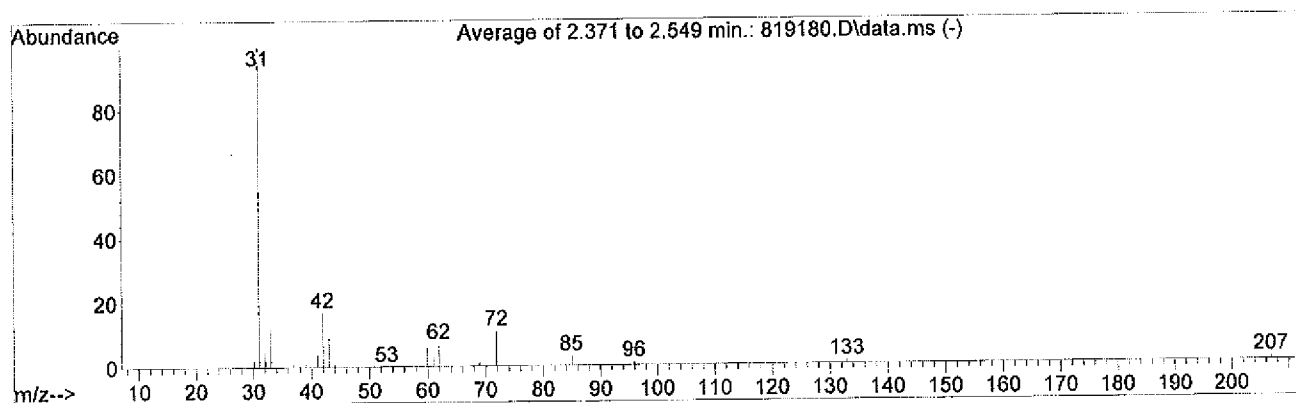
## Area Percent / Library Search Report

## Information from Data File:

File Name : C:\msdchem\1\DATA\SYSTEM9\02\_27\_12\819180.D  
Operator : KAC  
Date Acquired : 28 Feb 2012 15:54  
Sample Name : XXXXXXXXXX  
Submitted by : HLL  
Vial Number : 80  
AcquisitionMeth: WSCREEN.M  
Integrator : RTE

Search Libraries: C:\Database\SLI.L Minimum Quality: 80  
C:\Database\NIST08.L Minimum Quality: 10  
C:\Database\PMW\_TOX2.L

PK#	RT	Library/ID	CAS#	Qual
2	2.41	C:\Database\NIST08.L		
		1,3-Dihydroxyacetone dimer	062147-49-3	64
		2-Propanone, 1,3-dihydroxy-	000096-26-4	64
		dl-Glyceraldehyde dimer	026793-98-6	40



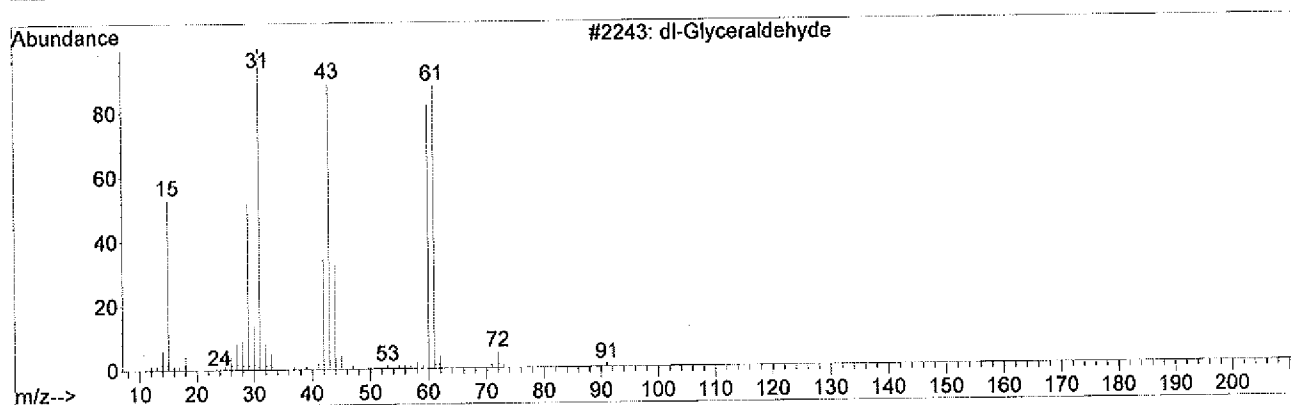
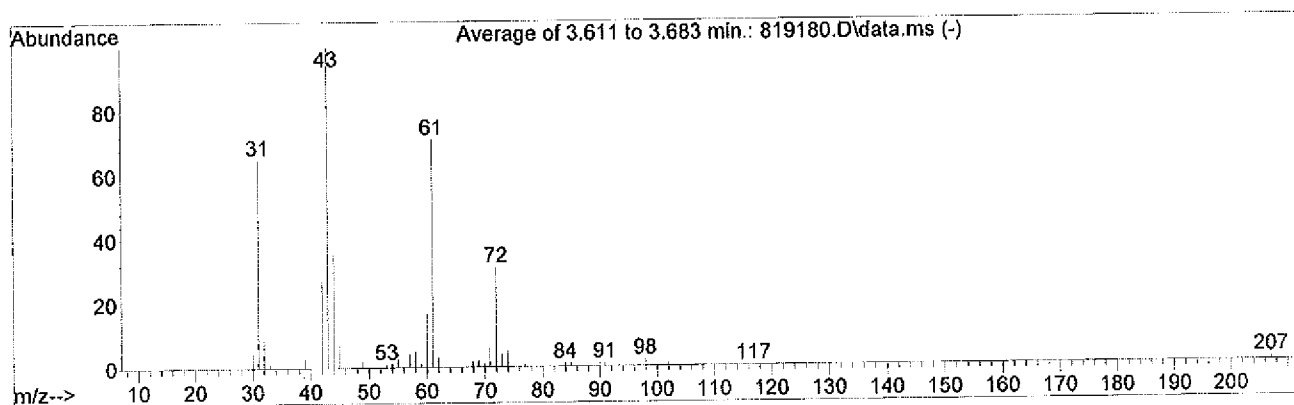
# Area Percent / Library Search Report

**Information from Data File:**

File Name : C:\msdchem\1\DATA\SYSTEM9\02\_27\_12\819180.D  
 Operator : KAC  
 Date Acquired : 28 Feb 2012 15:54  
 Sample Name : XXXXXXXXXX  
 Submitted by : HLL  
 Vial Number : 80  
 AcquisitionMeth: WSCREEN.M  
 Integrator : RTE

Search Libraries: C:\Database\SLI.L Minimum Quality: 80  
 C:\Database\NIST08.L Minimum Quality: 10  
 C:\Database\PMW\_TOX2.L

PK#	RT	Library/ID	CAS#	Qual
3	3.64	C:\Database\NIST08.L		
		dl-Glyceraldehyde	000056-82-6	38
		3-Methoxy-2,2-dimethyloxirane	026196-04-3	35
		4-Amino-furazan-3-carboxylic acid (	347355-79-7	33



# Area Percent / Library Search Report

**Information from Data File:**

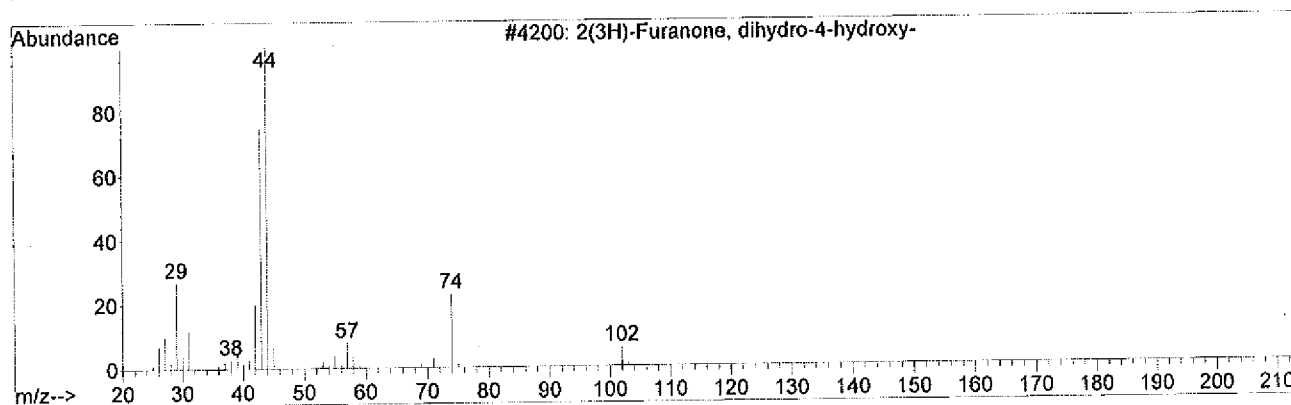
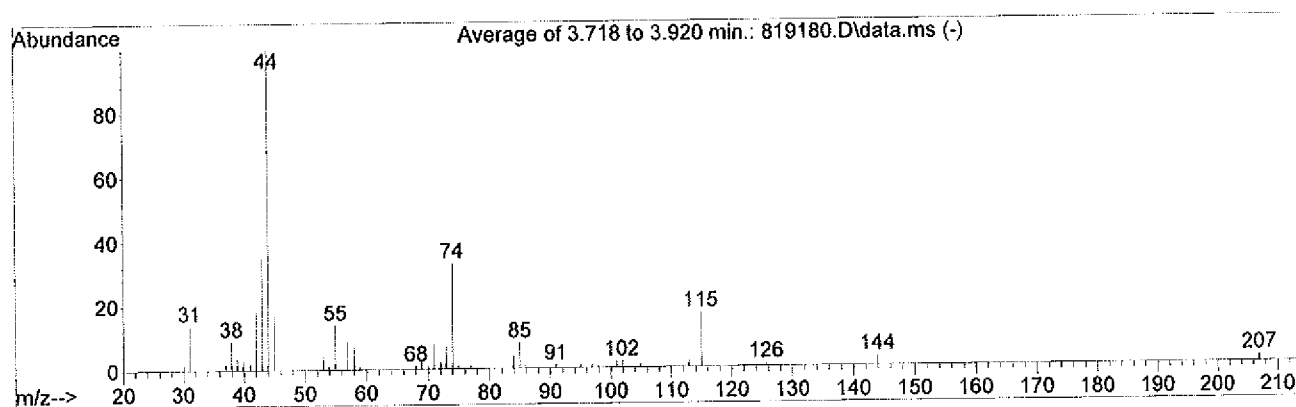
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File Name       : C:\msdchem\1\DATA\SYSTEM9\02_27_12\819180.D
Operator        : KAC
Date Acquired   : 28 Feb 2012  15:54
Sample Name     : ██████████
Submitted by    : HLL
Vial Number     : 80
AcquisitionMeth : WSCREEN.M
Integrator      : RTE
  
```

```

Search Libraries: C:\Database\SLI.L           Minimum Quality: 80
                  C:\Database\NIST08.L        Minimum Quality: 10
                  C:\Database\PMW_TOX2.L
  
```

PK#	RT	Library/ID	CAS#	Qual
4	3.74	C:\Database\NIST08.L		
		2(3H)-Furanone, dihydro-4-hydroxy-	005469-16-9	64
		Pentanal	000110-62-3	47
		Cyclopropyl carbinol	002516-33-8	40



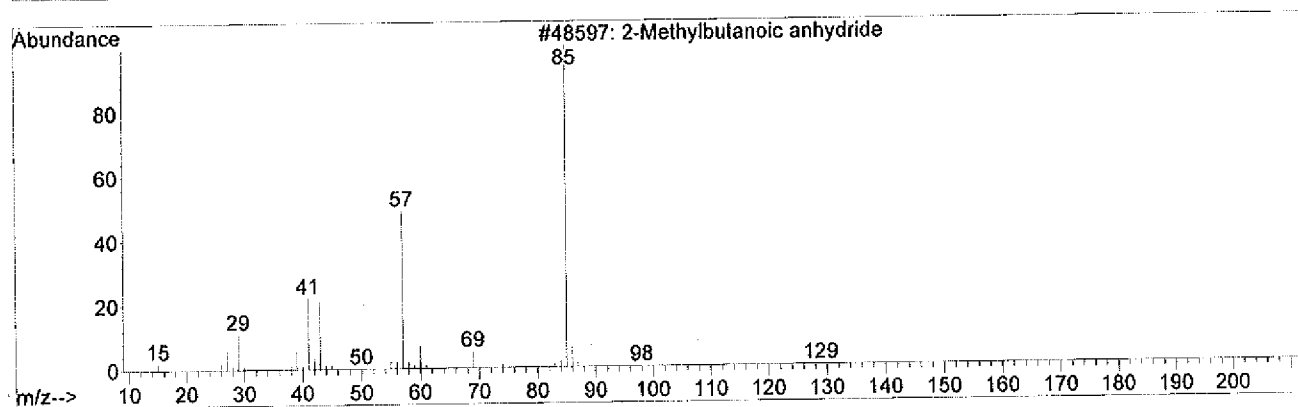
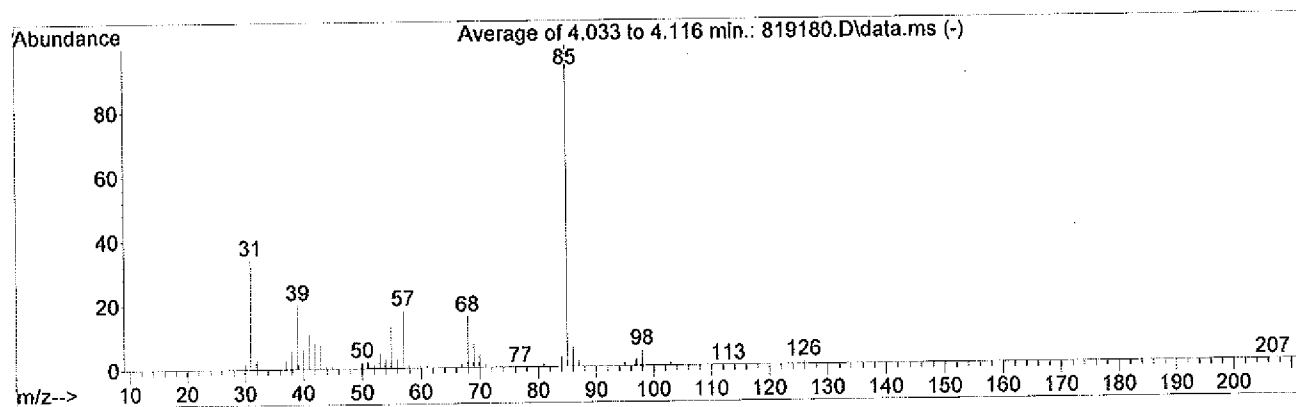
## Area Percent / Library Search Report

## Information from Data File:

File Name : C:\msdchem\1\DATA\SYSTEM9\02\_27\_12\819180.D  
Operator : KAC  
Date Acquired : 28 Feb 2012 15:54  
Sample Name : XXXXXXXXXX  
Submitted by : HLL  
Vial Number : 80  
AcquisitionMeth: WSCREEN.M  
Integrator : RTE

Search Libraries: C:\Database\SLI.L Minimum Quality: 80  
C:\Database\NIST08.L Minimum Quality: 10  
C:\Database\PMW\_TOX2.L

PK#	RT	Library/ID	CAS#	Qual
5	4.06	C:\Database\NIST08.L		
		2-Methylbutanoic anhydride	001468-39-9	53
		Hexan-2,4-dione, enol	1000202-23-9	50
		1-Bromo-7-(tetrahydro-2-pyranyloxy)	010160-25-5	39





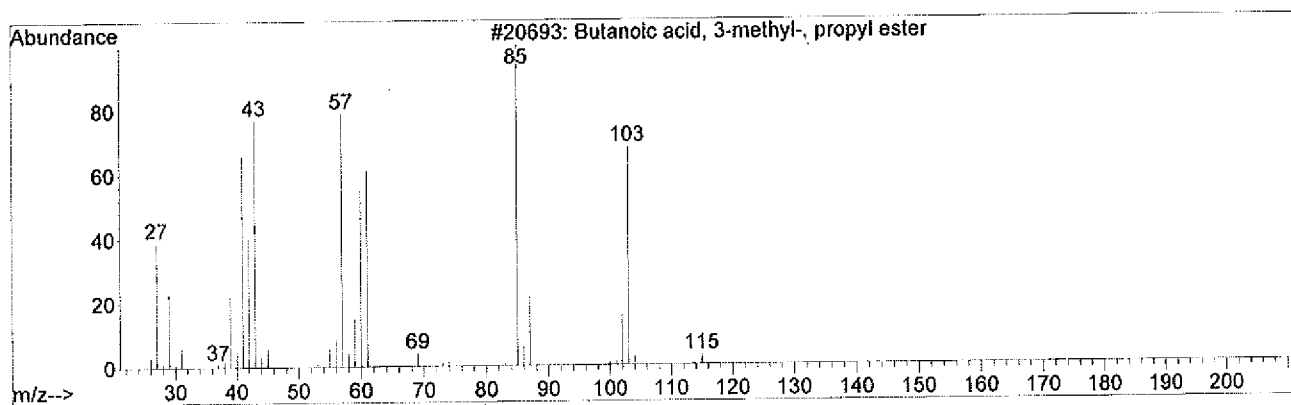
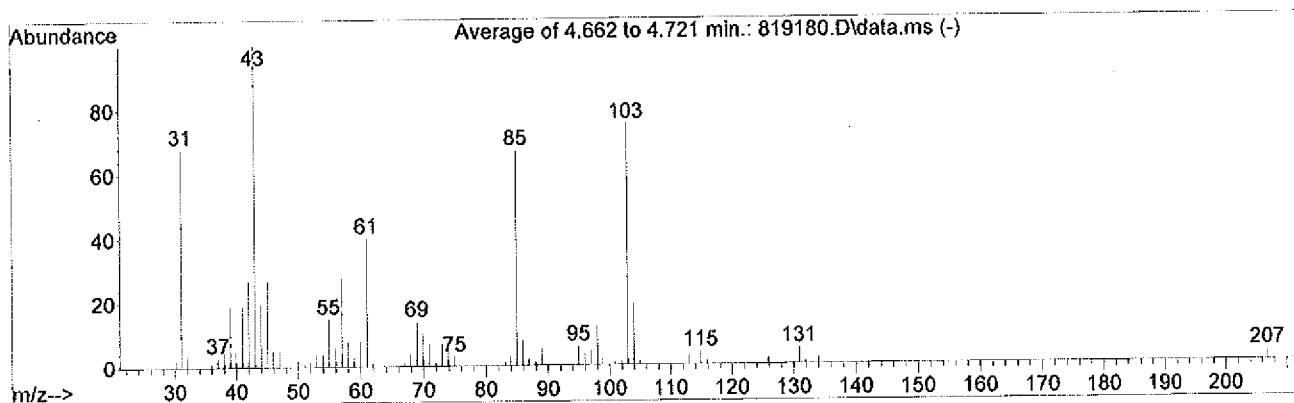
# Area Percent / Library Search Report

**Information from Data File:**

File Name : C:\msdchem\1\DATA\SYSTEM9\02\_27\_12\819180.D  
 Operator : KAC  
 Date Acquired : 28 Feb 2012 15:54  
 Sample Name : XXXXXXXXXX  
 Submitted by : HLL  
 Vial Number : 80  
 AcquisitionMeth: WSCREEN.M  
 Integrator : RTE

Search Libraries: C:\Database\SLI.L Minimum Quality: 80  
 C:\Database\NIST08.L Minimum Quality: 10  
 C:\Database\PMW\_TOX2.L

PK#	RT	Library/ID	CAS#	Qual
6	4.68	C:\Database\NIST08.L		
		Butanoic acid, 3-methyl-, propyl es	000557-00-6	47
		Butanoic acid, 3-methyl-, propyl es	000557-00-6	38
		Butanedioic acid, 2-hydroxy-2-methy	006236-09-5	32



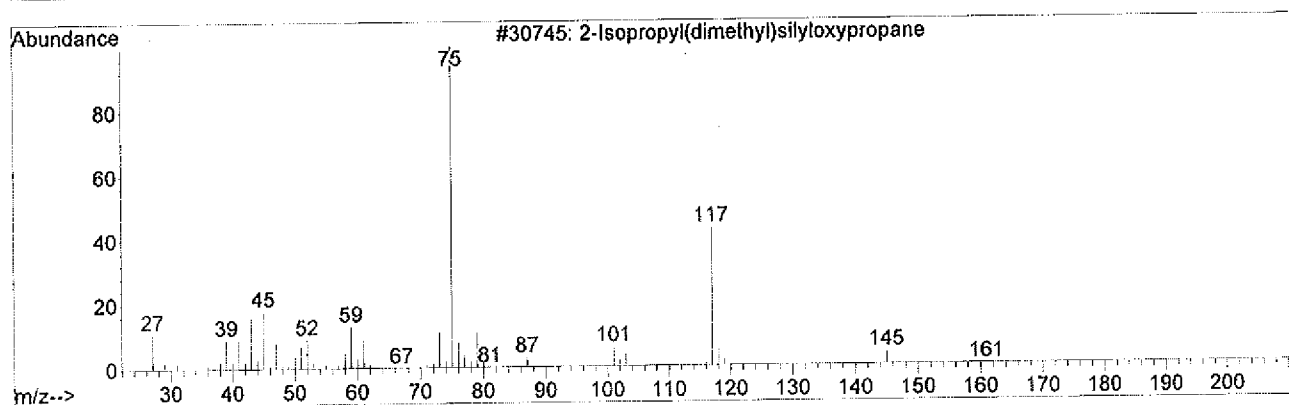
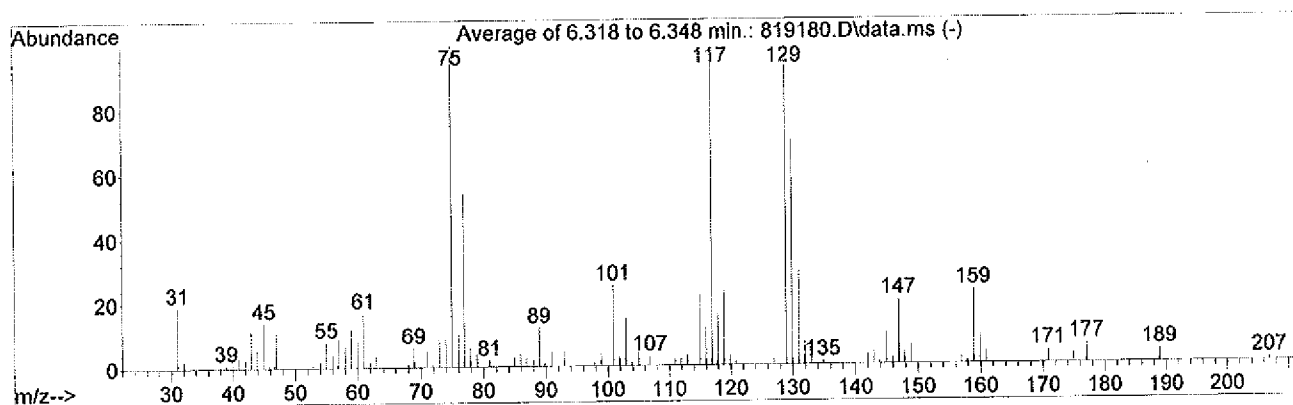
# Area Percent / Library Search Report

**Information from Data File:**

File Name : C:\msdchem\1\DATA\SYSTEM9\02\_27\_12\819180.D  
 Operator : KAC  
 Date Acquired : 28 Feb 2012 15:54  
 Sample Name : XXXXXXXXXX  
 Submitted by : HLL  
 Vial Number : 80  
 AcquisitionMeth: WSCREEN.M  
 Integrator : RTE

Search Libraries: C:\Database\SLI.L Minimum Quality: 80  
 C:\Database\NIST08.L Minimum Quality: 10  
 C:\Database\PMW\_TOX2.L

PK#	RT	Library/ID	CAS#	Qual
7	6.34	C:\Database\NIST08.L		
		2-Isopropyl(dimethyl)silyloxypropan	1000278-74-1	27
		Heptane, 1,1-dimethoxy-	010032-05-0	27
		.beta.-Alanine, trimethylsilyl este	005269-40-9	22



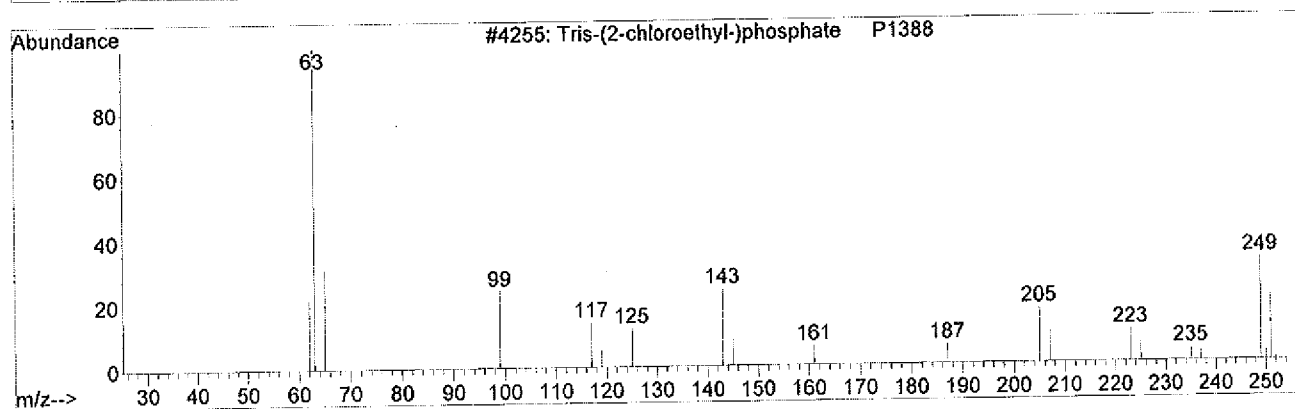
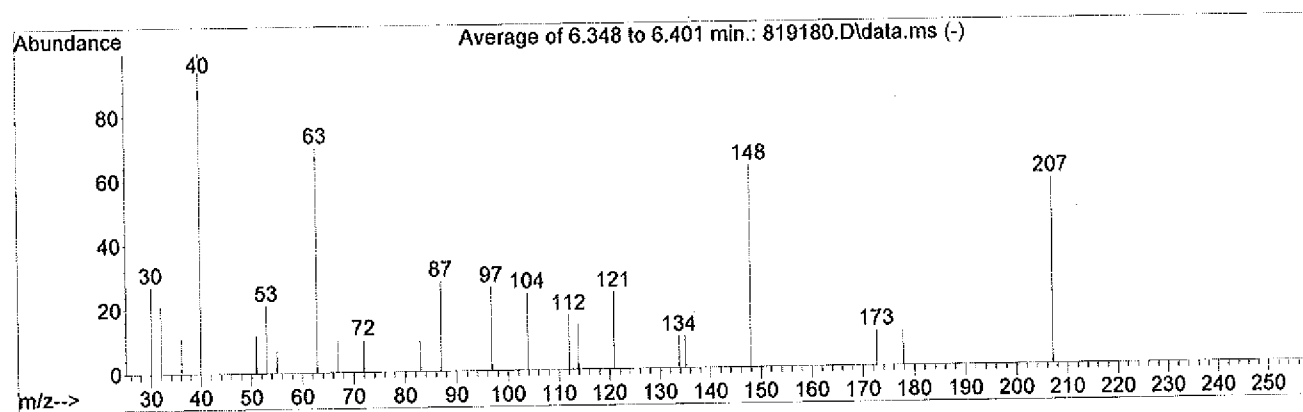
## Area Percent / Library Search Report

## Information from Data File:

File Name : C:\msdchem\1\DATA\SYSTEM9\02\_27\_12\819180.D  
Operator : KAC  
Date Acquired : 28 Feb 2012 15:54  
Sample Name : XXXXXXXXXX  
Submitted by : HLL  
Vial Number : 80  
AcquisitionMeth: WSCREEN.M  
Integrator : RTE

Search Libraries: C:\Database\SLI.L Minimum Quality: 80  
C:\Database\NIST08.L Minimum Quality: 10  
C:\Database\PMW\_TOX2.L

PK#	RT	Library/ID	CAS#	Qual
8	6.36	C:\Database\PMW_TOX2.L		
		Tris-(2-chloroethyl-)phosphate	000115-96-8	1
		Dimethylsulfoxide	000067-68-5	1



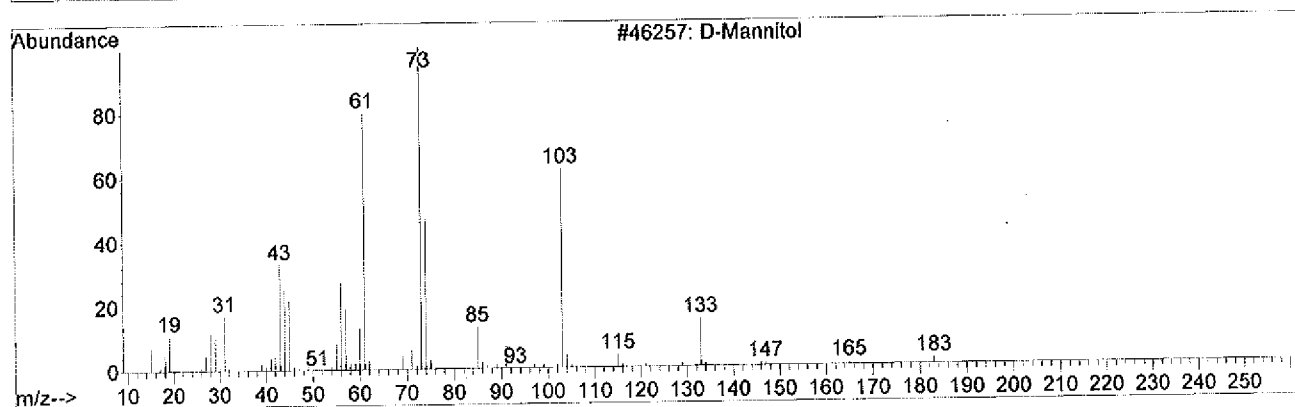
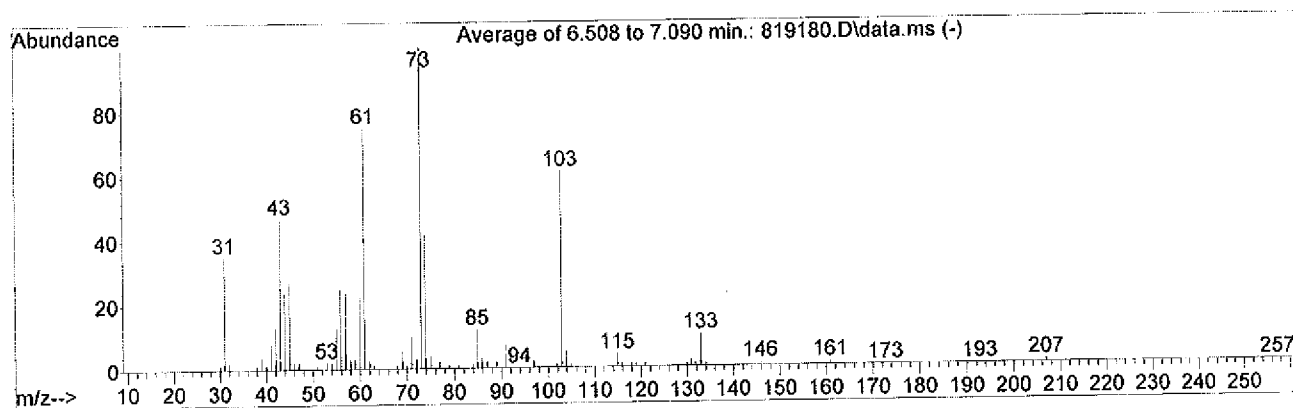
# Area Percent / Library Search Report

**Information from Data File:**

File Name : C:\msdchem\1\DATA\SYSTEM9\02\_27\_12\819180.D  
 Operator : KAC  
 Date Acquired : 28 Feb 2012 15:54  
 Sample Name : XXXXXXXXXX  
 Submitted by : HLL  
 Vial Number : 80  
 AcquisitionMeth: WSCREEN.M  
 Integrator : RTE

Search Libraries: C:\Database\SLI.L Minimum Quality: 80  
 C:\Database\NIST08.L Minimum Quality: 10  
 C:\Database\PMW\_TOX2.L

PK#	RT	Library/ID	CAS#	Qual
9	6.99	C:\Database\NIST08.L		
		D-Mannitol	000069-65-8	91
		Sorbitol	000050-70-4	90
		Galactitol	000608-66-2	87



# Area Percent / Library Search Report

**Information from Data File:**

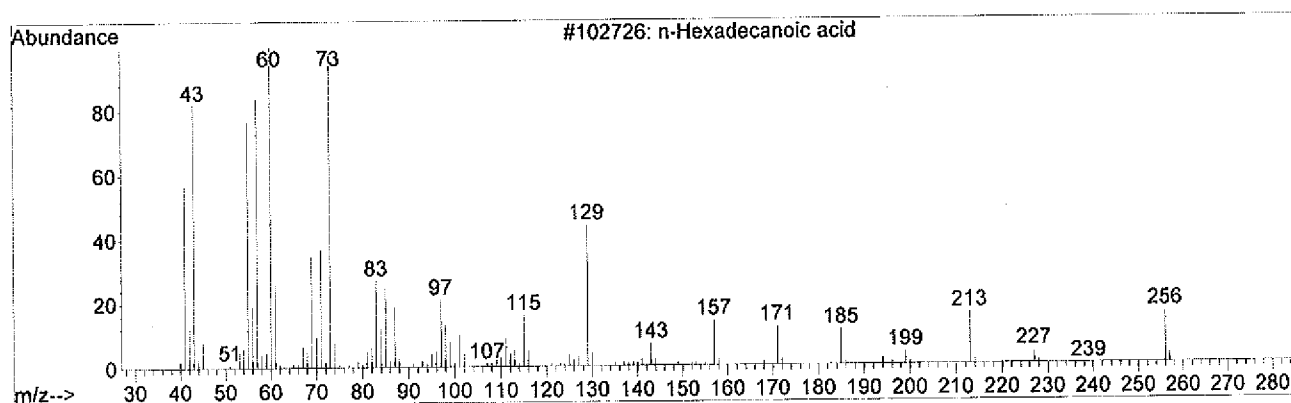
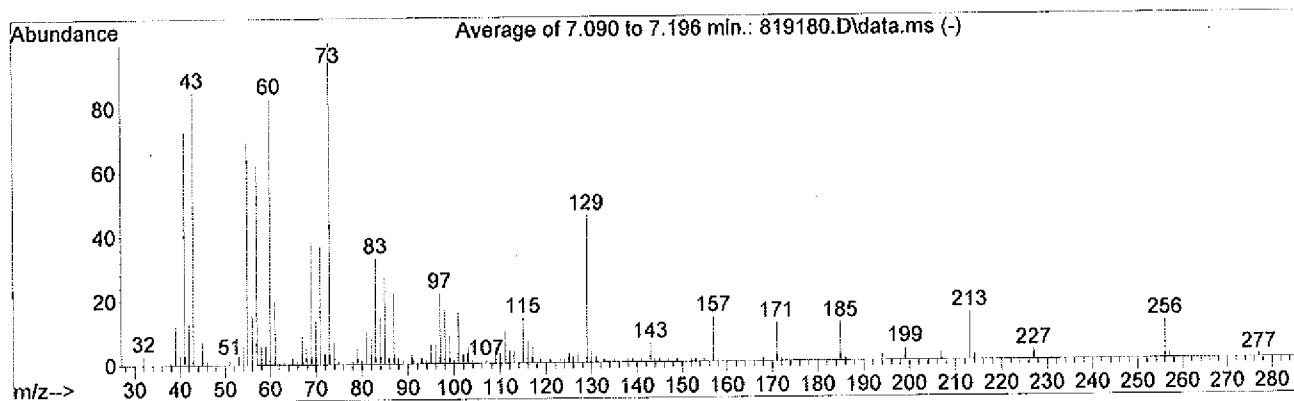
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File Name       : C:\msdchem\1\DATA\SYSTEM9\02_27_12\819180.D
Operator        : KAC
Date Acquired   : 28 Feb 2012   15:54
Sample Name     : ██████████
Submitted by    : HLL
Vial Number     : 80
AcquisitionMeth : WSCREEN.M
Integrator      : RTE
  
```

```

Search Libraries: C:\Database\SLI.L           Minimum Quality: 80
                  C:\Database\NIST08.L        Minimum Quality: 10
                  C:\Database\PMW_TOX2.L
  
```

PK#	RT	Library/ID	CAS#	Qual
10	7.11	C:\Database\NIST08.L		
		n-Hexadecanoic acid	000057-10-3	97
		n-Hexadecanoic acid	000057-10-3	95
		Pentadecanoic acid	001002-84-2	87



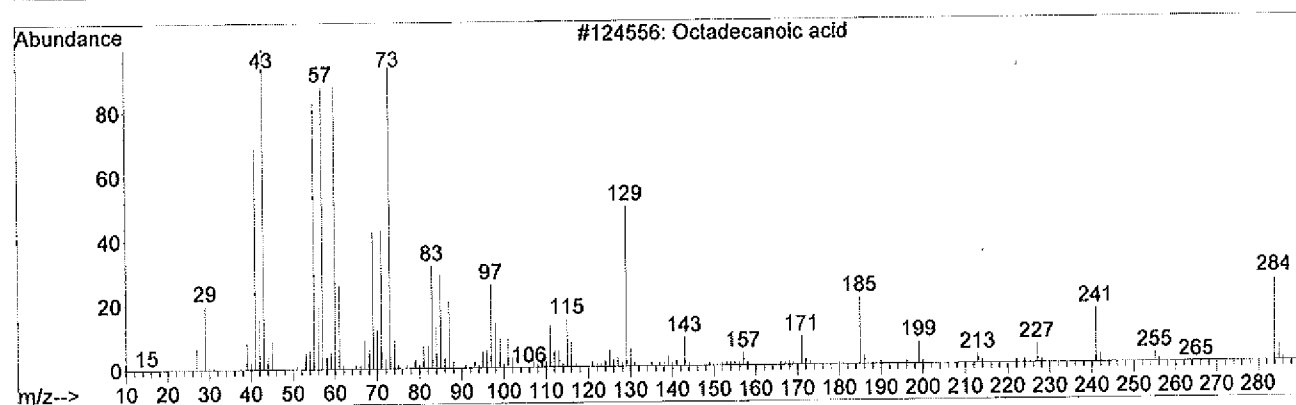
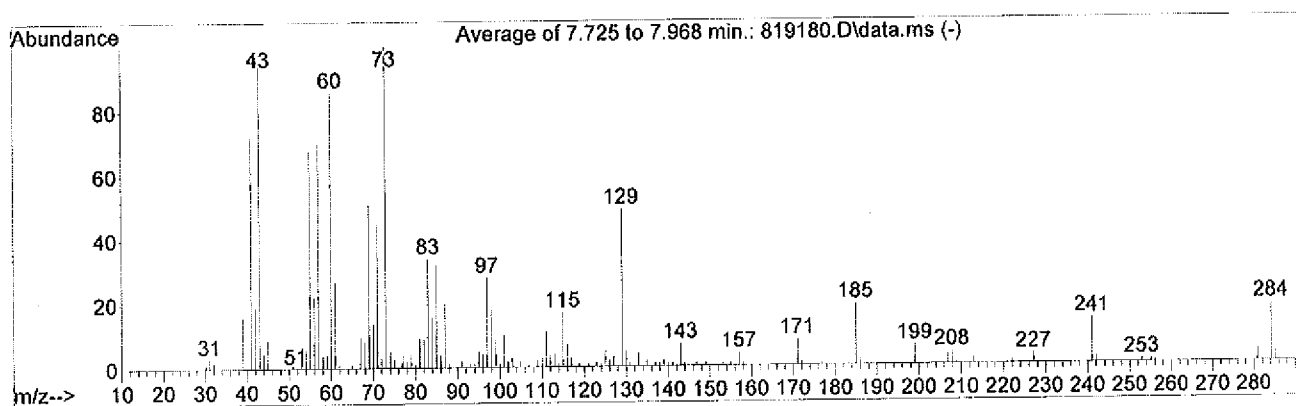
# Area Percent / Library Search Report

**Information from Data File:**

File Name : C:\msdchem\1\DATA\SYSTEM9\02\_27\_12\819180.D  
 Operator : KAC  
 Date Acquired : 28 Feb 2012 15:54  
 Sample Name : XXXXXXXXXX  
 Submitted by : HLL  
 Vial Number : 80  
 AcquisitionMeth: WSCREEN.M  
 Integrator : RTE

Search Libraries: C:\Database\SLI.L Minimum Quality: 80  
 C:\Database\NIST08.L Minimum Quality: 10  
 C:\Database\PMW\_TOX2.L

PK#	RT	Library/ID	CAS#	Qual
11	7.75	C:\Database\NIST08.L		
		Octadecanoic acid	000057-11-4	99
		Octadecanoic acid	000057-11-4	96
		Octadecanoic acid	000057-11-4	95



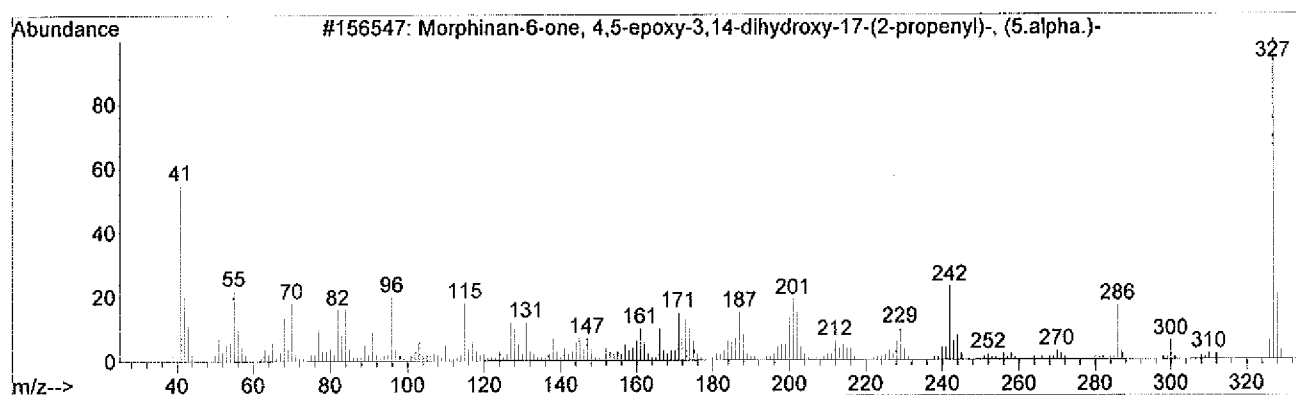
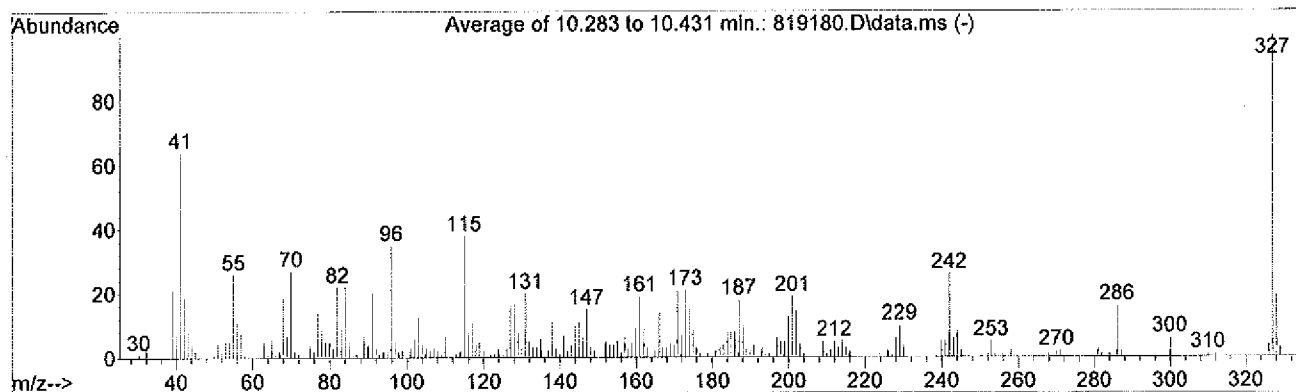
## Area Percent / Library Search Report

## Information from Data File:

File Name : C:\msdchem\1\DATA\SYSTEM9\02\_27\_12\819180.D  
Operator : KAC  
Date Acquired : 28 Feb 2012 15:54  
Sample Name : XXXXXXXXXX  
Submitted by : HLL  
Vial Number : 80  
AcquisitionMeth: WSCREEN.M  
Integrator : RTE

Search Libraries: C:\Database\SLI.L Minimum Quality: 80  
C:\Database\NIST08.L Minimum Quality: 10  
C:\Database\PMW\_TOX2.L

PK#	RT	Library/ID	CAS#	Qual
12	10.32	C:\Database\NIST08.L		
		Morphinan-6-one, 4,5-epoxy-3,14-dih	000465-65-6	99
		Morphinan-6-one, 4,5-epoxy-3,14-dih	000465-65-6	96
		Morphinan-6-one, 4,5-epoxy-3,14-dih	000465-65-6	70

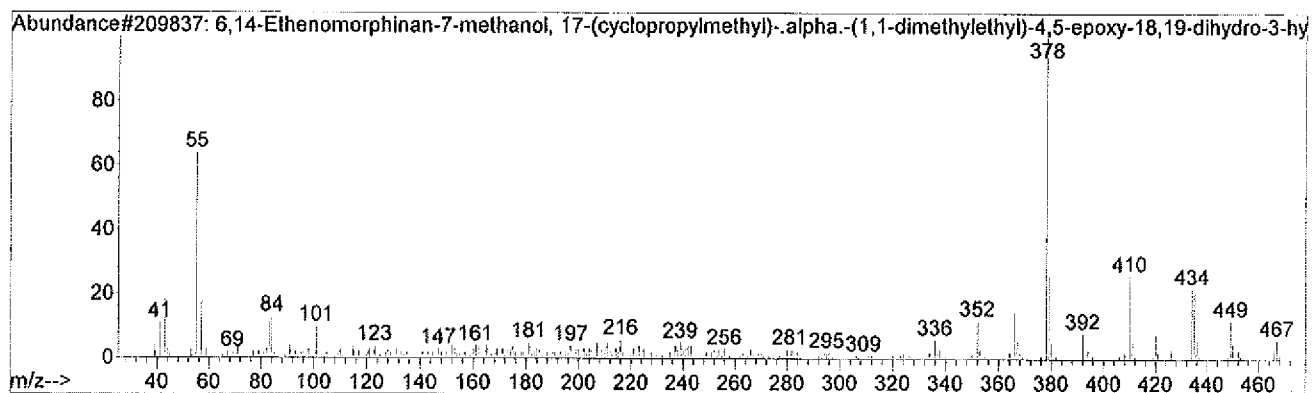
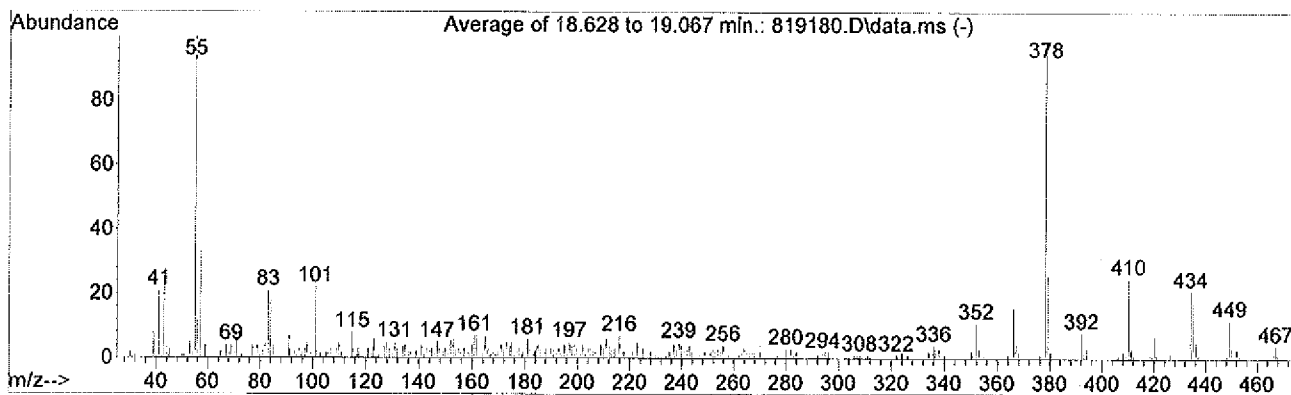


## Information from Data File:

File Name : C:\msdchem\1\DATA\SYSTEM9\02\_27\_12\819180.D  
Operator : KAC  
Date Acquired : 28 Feb 2012 15:54  
Sample Name : XXXXXXXXXX  
Submitted by : HLL  
Vial Number : 80  
AcquisitionMeth: WSCREEN.M  
Integrator : RTE

Search Libraries: C:\Database\SLI.L Minimum Quality: 80  
C:\Database\NIST08.L Minimum Quality: 10  
C:\Database\PMW\_TOX2.L

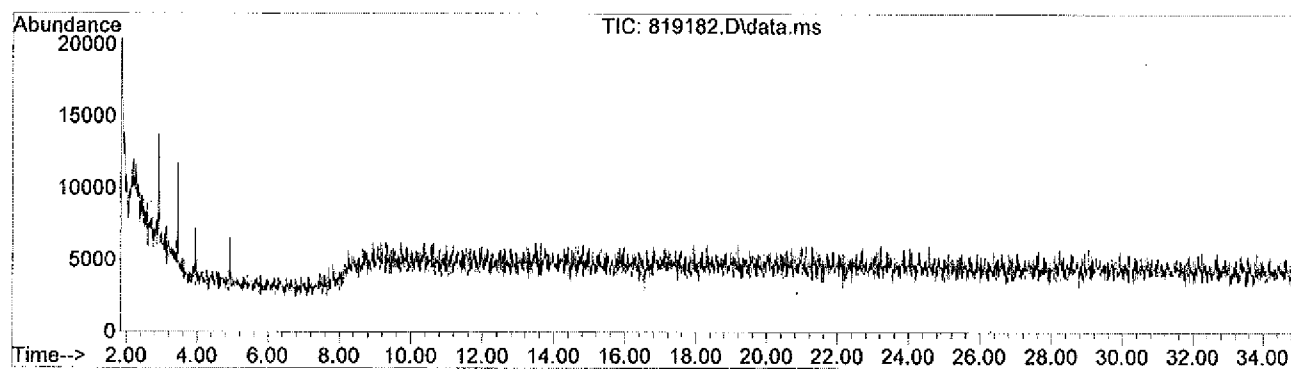
PK#	RT	Library/ID	CAS#	Qual
13	18.79	C:\Database\NIST08.L		
		6,14-Ethenomorphinan-7-methanol,	17 052485-79-7	99
		6,14-Ethenomorphinan-7-methanol,	17 052485-79-7	99
		6,14-Ethenomorphinan-7-methanol,	17 052485-79-7	95





## Information from Data File:

File Name : C:\msdchem\1\DATA\SYSTEM9\02\_27\_12\819182.D  
Operator : KAC  
Date Acquired : 28 Feb 2012 17:11  
Sample Name : BLANK  
Submitted by :  
Vial Number : 2  
AcquisitionMeth: WSCREEN.M  
Integrator : RTE



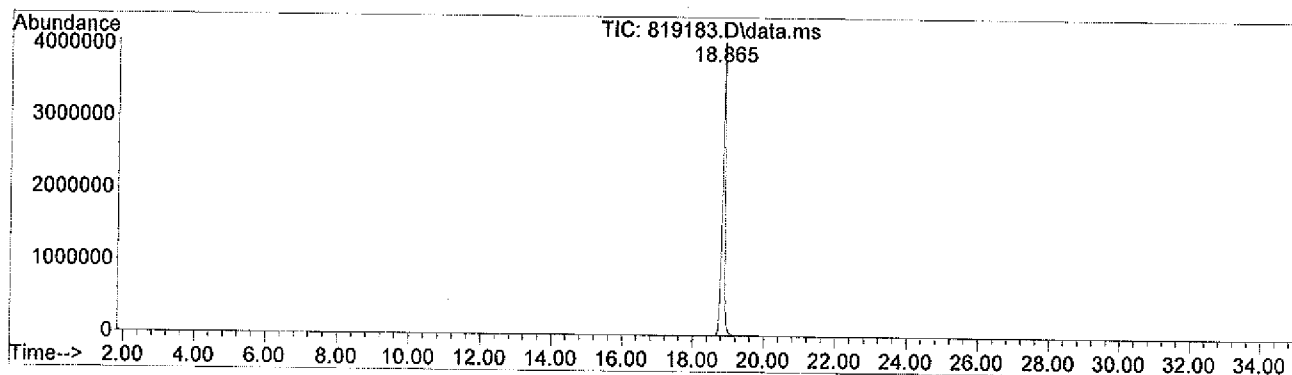
Ret. Time	Area	Area %	Ratio %
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\*\*\*NO INTEGRATED PEAKS\*\*\*

# Area Percent / Library Search Report

Information from Data File:

File Name : C:\msdchem\1\DATA\SYSTEM9\02\_27\_12\819183.D  
 Operator : KAC  
 Date Acquired : 28 Feb 2012 17:50  
 Sample Name : BUPRENORPHINE STD  
 Submitted by :  
 Vial Number : 74  
 AcquisitionMeth: WSCREEN.M  
 Integrator : RTE



Ret. Time	Area	Area %	Ratio %
18.865	20884528	100.00	100.00

# Area Percent / Library Search Report

**Information from Data File:**

```

File Name       : C:\msdchem\1\DATA\SYSTEM9\02_27_12\819183.D
Operator        : KAC
Date Acquired   : 28 Feb 2012  17:50
Sample Name     : BUPRENORPHINE STD
Submitted by    :
Vial Number     : 74
AcquisitionMeth : WSCREEN.M
Integrator      : RTE
  
```

```

Search Libraries: C:\Database\SLI.L           Minimum Quality: 80
                  C:\Database\NIST08.L        Minimum Quality: 10
                  C:\Database\PMW_TOX2.L
  
```

PK#	RT	Library/ID	CAS#	Qual
1	18.87	C:\Database\NIST08.L		
		6,14-Ethenomorphinan-7-methanol, 17	052485-79-7	99
		6,14-Ethenomorphinan-7-methanol, 17	052485-79-7	99
		6,14-Ethenomorphinan-7-methanol, 17	052485-79-7	96

